



**BOROUGH OF MACCLESFIELD.**



# **REPORT**

ON THE

**HEALTH OF MACCLESFIELD,**

FOR THE YEAR 1905.

BY

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MACCLESFIELD ;

Heath Bros., Printers &c., "Times" Office,

1906.



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# ANNUAL REPORT

OF

## The Medical Officer of Health

For the Year ending December 31st, 1905.

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I have the honour to submit for your consideration my Seventh Annual Report on the Health and Sanitary Administrations of the Borough of Macclesfield.

### THE SOIL OF THE BOROUGH.

The soil of the Borough is variable to the west and north-west, sand and gravel lying on boulder clay alternate, the sand pre-dominating.

In the centre of the town there are two to five feet of coarse gravel on clay. On the easterly side there is brick clay on sand and gravel, and to the south boulder clay.

### THE ELEVATION OF THE TOWN.

The elevation of the town varies between 400 and 500 feet above sea level.

The River Bollin runs through the centre of the town, running east to west. Its principal tributaries within the Borough are the Dams Brook and the Day Brook, which drain the District on either side.

### POPULATION OF THE BOROUGH.

The 1901 Census gave the population as being 34,624 persons living in 8,634 houses, or an average of 4 persons to a house.

Census, 1901.

|                                 |       |        |
|---------------------------------|-------|--------|
| Population of West Macclesfield | ..... | 17,297 |
| „ „ East Macclesfield           | ..... | 12,440 |
| „ „ Sutton                      | ..... | 4,887  |
| Total population of Borough     | ..... | 34,624 |



I am, however, of opinion that the population is steadily declining, and I fear must continue to do so, unless some new industry employing male labour is started in the town or neighbourhood.

In this connection it is interesting to compare the proportion of the two sexes as shown by the census returns :—

There are 15,377 males to 19,247 females. Now, the proportion of males to females for the whole of England and Wales is about 940 males to every 1,000 females, therefore on this basis there ought to be over 18,000 males in Macclesfield instead of 15,377, thus the population of the Borough contains an excessive proportion of females.

### ACREAGE.

The area of the Borough in acres is 3,214. The density of population is about 10.8 persons to the acre. This figure seems low for an urban district, but it is accounted for by the extension of the Borough into the surrounding country on all sides.

The densest district is the centre of the town bounded by Chestergate, Roe Street, Mill Street, and Bond Street. In this area the number of persons to the acre is about 180.

### PRINCIPAL VITAL STATISTICS FOR 1905.

|   | Year<br>1905 | Year<br>1904 |
|---|--------------|--------------|
| Estimated Population .....                          | 34,624       | 34,624       |
| Births —Males .....                                 | 389          | 381          |
| „ Females .....                                     | 362          | 403          |
|   | <hr/> 751    | <hr/> 784    |
| Annual Birth Rate per 1,000 of population ....      | 21.6         | 22.6         |
| Deaths .....  | 628          | 707          |
| Annual rate of Mortality per 1,000 of population .. | 18.1         | 20.1         |
| Excess of registered births over deaths .....       | 143          | 77           |
| Deaths under one year of age per 1,000 of births .. | 149          | 178          |

### BIRTHS.

|   |     |
|---|-----|
| Number of Births registered in 1905 ..... | 752 |
| „ „ „ „ 1904 .....                        | 784 |



The following Table shows the Birth rates since 1874 :—

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## NUMBER OF BIRTHS DURING THE LAST 15 YEARS.

| Year. | West Macclesfield. |     | East Macclesfield<br>and Hurdsfield. |     | Sutton. |
|-------|--------------------|-----|--------------------------------------|-----|---------|
| 1890  | ....               | 462 | ....                                 | 374 | 177     |
| 1891  | ....               | 374 | ....                                 | 177 | 158     |
| 1892  | ....               | 437 | ....                                 | 408 | 144     |
| 1893  | ....               | 427 | ....                                 | 372 | 136     |
| 1894  | ....               | 471 | ....                                 | 380 | 166     |
| 1895  | ....               | 433 | ....                                 | 350 | 112     |
| 1896  | ....               | 441 | ....                                 | 374 | 149     |
| 1897  | ....               | 472 | ....                                 | 378 | 127     |
| 1898  | ....               | 422 | ....                                 | 383 | 148     |
| 1899  | ....               | 417 | ....                                 | 341 | 128     |
| 1900  | ....               | 429 | ....                                 | 305 | 119     |
| 1901  | ....               | 365 | ....                                 | 283 | 123     |
| 1902  | ....               | 350 | ....                                 | 300 | 92      |
| 1903  | ....               | 399 | ....                                 | 357 | 114     |
| 1904  | ....               | 380 | ....                                 | 284 | 120     |
| 1905  | ....               | 350 | ....                                 | 286 | 116     |

## ILLEGITIMATE BIRTH RATE.

The illegitimate birth rate for the year is 1.3 per 1,000 of population as compared with 1.7 last year.

The percentage of illegitimate children born compared with last year is 6.3 of total births, against 8.1.

## DEATHS.

|  |      |
|--|------|
| Death rate for Borough, for 1905 ..... | 18.1 |
| „ „ „ England and Wales, 1905.....     | 15.2 |
| „ „ „ Borough for 1904 .....           | 20.1 |

716 Deaths have been registered in the Borough during 1905 ; this number includes the deaths of 88 people not belonging to the Borough, of whom 1 died in West Macclesfield, 26 in the Workhouse, 5 in the Infirmary, 56 in the Asylum. Deducting these we have a total number of deaths of inhabitants of the Borough of 628.

TABLE SHOWING DEATHS RATES SINCE 1874.

| Years. | Death-rate. | Years. | Death-rate. | Years. | Death-rate |
|--------|-------------|--------|-------------|--------|------------|
| 1874   | 26.6        | 1885   | 20.4        | 1896   | 20.0       |
| 1875   | 25.0        | 1886   | 20.0        | 1897   | 20.3       |
| 1876   | 28.1        | 1887   | 23.8        | 1898   | 18.5       |
| 1877   | 20.2        | 1888   | 18.3        | 1899   | 20.4       |
| 1878   | 23.8        | 1889   | 21.0        | 1900   | 19.6       |
| 1879   | 23.2        | 1890   | 21.9        | 1901   | 18.5       |
| 1880   | 21.7        | 1891   | 20.8        | 1902   | 15.1       |
| 1881   | 23.6        | 1892   | 25.1        | 1903   | 17.3       |
| 1882   | 23.0        | 1893   | 20.6        | 1904   | 20.1       |
| 1883   | 23.6        | 1894   | 17.7        | 1905   | 18.1       |
| 1884   | 22.0        | 1895   | 22.5        |        |            |

PRINCIPAL DEATH RATES FOR LAST FOUR YEARS.

|  | Per 1,000 of<br>Population. |        |        |      |
|--|-----------------------------|--------|--------|------|
|  | 1905                        | 1904   | 1903   | 1902 |
| Zymotic (seven principal Zymotic Diseases)               | 1.6 ..                      | 2.3 .. | 0.9 .. | 0.3  |
| Phthisis .....   | 1.1 ..                      | 1.3 .. | 1.2 .. | 1.5  |
| Other Forms of Tuberculosis .....                        | 0.7 ..                      | 0.8 .. | 0.5 .. | 0.5  |
| Respiratory (Bronchitis, Pneumonia, etc.)                | 2.6 ..                      | 3.1 .. | 2.1 .. | 1.9  |
| Infantile (per 1,000 births under 1 year of<br>age ..... | 149 ..                      | 178 .. | 134 .. | 102  |
| Cancer (Carcinoma and Sarcoma) .....                     | 1.5 ..                      | 1.0 .. | 1.0 .. | 0.8  |

The following table sets forth the various diseases in which there has been a marked increased or decreased mortality compared with last year's figures, the sign x indicating an increase, and — a decrease.

| Increase.           |      | Decrease.             |      |
|---------------------|------|-----------------------|------|
| Scarlet Fever ..... | x 7  | Small-pox .....       | — 2  |
| Diphtheria .....    | x 4  | Puerperal Fever ..... | — 2  |
| Influenza .....     | x 7  | Erysipelas .....      | — 4  |
| Whooping Cough ..   | x 5  | Measles .....         | — 35 |
| Cancer .....        | x 16 | Pthises .....         | — 6  |



| Increase.             |     | Decrease.         |      |
|-----------------------|-----|-------------------|------|
| Tubercular Meningitis | x 4 | Bronchitis.....   | — 16 |
| Enteritis .....       | x 6 | Pneumonia .....   | — 9  |
|                       |     | Convulsions ..... | — 11 |
|                       |     | Marasmus .....    | — 12 |

The increase in cancers is truly alarming in view of our helplessness to check it.

DEATHS OF PERSONS BELONGING TO MACCLESFIELD.  
Year ending December 31st, 1905.

| Diseases.                               | Under   |       |     |      |       |       | Over |    | Total. |
|---|---------|-------|-----|------|-------|-------|------|----|--------|
|   | 6 m'ths | 1 yr. | 1—5 | 5—15 | 15—25 | 25-65 | 65   |    |        |
| Small-pox .....                         | ..      | ..    | ..  | ..   | ..    | ..    | 1    | .. | 1      |
| Scarlatina .....                        | ..      | ..    | 6   | 1    | ..    | ..    | ..   | .. | 7      |
| Diphtheria .....                        | ..      | ..    | 5   | ..   | ..    | ..    | ..   | .. | 5      |
| Membranous Croup ..                     | ..      | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1      |
| Influenza .....                         | ..      | ..    | ..  | ..   | ..    | 6     | 5    | .. | 11     |
| Erysipelas .....                        | ..      | ..    | ..  | ..   | ..    | 1     | 2    | .. | 3      |
| Other Septic Diseases ..                | 1       | ..    | ..  | 1    | ..    | 6     | ..   | .. | 8      |
| Measles .....                           | ..      | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1      |
| Whooping Cough..                        | 1       | 9     | 8   | ..   | ..    | ..    | ..   | .. | 18     |
| Diarrhœa .....                          | 13      | 2     | 6   | ..   | ..    | ..    | 2    | .. | 23     |
| Enteritis .....                         | 4       | ..    | 1   | ..   | ..    | ..    | 1    | .. | 6      |
| Rheumatic Fever..                       | ..      | ..    | ..  | 2    | 1     | 2     | ..   | .. | 5      |
| Bright's Disease ..                     | ..      | ..    | ..  | 1    | ..    | 17    | 9    | .. | 27     |
| Pulmonary tubercu-<br>losis .....       | ..      | ..    | ..  | ..   | 13    | 27    | 1    | .. | 41     |
| Bronchitis .....                        | 3       | 3     | 3   | ..   | ..    | 12    | 19   | .. | 40     |
| Pneumonia .....                         | 2       | 5     | 5   | 2    | 2     | 16    | 7    | .. | 39     |
| Other Respiratory<br>Diseases.....      | ..      | ..    | ..  | ..   | 2     | 1     | ..   | .. | 3      |
| Alcoholism & Cirr-<br>hosis of Liver .. | ..      | ..    | ..  | ..   | ..    | 5     | 2    | .. | 7      |
| Heart Disease ....                      | ..      | ..    | ..  | 6    | ..    | 27    | 31   | .. | 64     |
| Suicide .....                           | ..      | ..    | ..  | ..   | ..    | 3     | ..   | .. | 3      |
| Injuries .....                          | 4       | ..    | ..  | ..   | ..    | 5     | 1    | .. | 10     |
| Venereal Diseases..                     | 8       | ..    | ..  | ..   | ..    | ..    | ..   | .. | 8      |
| Cancer .....                            | ..      | ..    | ..  | ..   | 1     | 34    | 18   | .. | 53     |
| Convulsions .....                       | 6       | ..    | 3   | ..   | ..    | ..    | 1    | .. | 10     |
| Apoplexy .....                          | ..      | ..    | ..  | 6    | ..    | 8     | 18   | .. | 26     |
| Insanity .....                          | ..      | ..    | ..  | ..   | ..    | 2     | 1    | .. | 3      |
| Other Brain Diseases                    | 1       | ..    | 2   | 1    | ..    | 7     | 1    | .. | 12     |
| Premature Birth ..                      | 23      | ..    | ..  | ..   | ..    | ..    | ..   | .. | 23     |
| Marasmus .....                          | 10      | 1     | 1   | ..   | ..    | ..    | ..   | .. | 12     |
| Atrophy (Senile) ..                     | ..      | ..    | ..  | ..   | ..    | 2     | 70   | .. | 72     |
| Tabes Mesenterica ..                    | ..      | 2     | 2   | ..   | ..    | ..    | ..   | .. | 4      |
| Tubercular Mening-<br>itis .....        | 1       | 1     | 4   | 1    | ..    | ..    | ..   | .. | 7      |
| Tuberculosis .....                      | ..      | 66    | 3   | ..   | 2     | 3     | ..   | .. | 14     |
| All other diseases ..                   | 5       | 1     | 2   | 3    | 7     | 27    | 16   | .. | 61     |
| TOTALS .....                            | 81      | 31    | 53  | 18   | 28    | 211   | 206  | .. | 628    |

## CAUSES OF DEATH IN MACCLESFIELD.

Table showing cause of death and the age period at which such deaths have occurred during the year ending December 31st 1904 :—

| Diseases.                                      | Under  |     |      |       |       | Over |     | Total. |
|--|--------|-----|------|-------|-------|------|-----|--------|
|  | 1 year | 1-5 | 5-15 | 15-25 | 25-65 | 65   |     |        |
| Smallpox .....                                 | ..     | ..  | ..   | ..    | 3     | ..   | 3   |        |
| Membranous Croup .....                         | ..     | ..  | 1    | ..    | ..    | ..   | 1   |        |
| Diphtheria .....                               | ..     | 1   | ..   | ..    | ..    | ..   | 1   |        |
| Influenza .....                                | ..     | ..  | ..   | 1     | 3     | ..   | 4   |        |
| Puerperal Fever .....                          | ..     | ..  | ..   | 1     | 1     | ..   | 2   |        |
| Erysipelas .....                               | ..     | ..  | ..   | ..    | 5     | 2    | 7   |        |
| Other Septic Diseases ..                       | ..     | 1   | ..   | ..    | 2     | ..   | 3   |        |
| Measles .....                                  | 11     | 25  | ..   | ..    | ..    | ..   | 36  |        |
| Whooping Cough.....                            | 6      | 7   | ..   | ..    | ..    | ..   | 7   |        |
| Diarrhoea .....                                | 15     | 8   | ..   | ..    | 1     | ..   | 24  |        |
| Rheumatic Fever .....                          | ..     | ..  | 2    | ..    | 2     | ..   | 4   |        |
| Bright's Disease .....                         | ..     | ..  | ..   | 1     | 15    | 12   | 28  |        |
| Pulmonary Tuberculosis..                       | ..     | 1   | 1    | 8     | 34    | 3    | 47  |        |
| Bronchitis .....                               | 12     | 10  | 1    | 1     | 18    | 14   | 56  |        |
| Pneumonia .....                                | 10     | 12  | ..   | 1     | 18    | 7    | 48  |        |
| Pleurisy.....                                  | ..     | 1   | ..   | ..    | ..    | 1    | 2   |        |
| Other Respiratory Diseases                     | ..     | ..  | ..   | 1     | 2     | 1    | 4   |        |
| Alcoholism and Cirrhosis<br>of Liver .....     | ..     | ..  | ..   | ..    | 7     | 3    | 10  |        |
| Heart Disease .....                            | 1      | ..  | 1    | 2     | 30    | 27   | 61  |        |
| Suicide .....                                  | ..     | ..  | ..   | ..    | 5     | 1    | 6   |        |
| Injuries .....                                 | 5      | 3   | ..   | ..    | 2     | 2    | 12  |        |
| Venereal Diseases .....                        | 11     | ..  | ..   | ..    | ..    | ..   | 11  |        |
| Cancer .....                                   | ..     | ..  | ..   | ..    | 26    | 11   | 37  |        |
| Convulsions .....                              | 15     | 1   | 1    | ..    | 3     | 1    | 21  |        |
| Apoplexy .....                                 | ..     | ..  | ..   | ..    | 13    | 23   | 36  |        |
| Insanity .....                                 | ..     | ..  | ..   | ..    | 3     | 1    | 4   |        |
| Other Brain Diseases ....                      | ..     | ..  | 1    | 1     | 7     | 3    | 12  |        |
| Diseases and Accidents<br>of Parturition ..... | ..     | ..  | ..   | 1     | 2     | ..   | 3   |        |
| Premature Birth .....                          | 19     | ..  | ..   | ..    | ..    | ..   | 19  |        |
| Marasmus .....                                 | 18     | 4   | ..   | ..    | ..    | ..   | 22  |        |
| Atrophy (Senile) .....                         | ..     | ..  | ..   | ..    | 1     | 91   | 92  |        |
| Tabes Mesenterica .....                        | 6      | ..  | ..   | 1     | 1     | ..   | 8   |        |
| Tubercular Meningitis ..                       | 1      | 1   | 1    | ..    | ..    | ..   | 3   |        |
| Tuberculosis .....                             | 4      | 3   | 1    | 2     | 8     | 2    | 20  |        |
| All other Diseases .....                       | 6      | 5   | ..   | 5     | 21    | 8    | 45  |        |
| TOTAL .....                                    | 140    | 83  | 11   | 26    | 234   | 213  | 707 |        |



## UNCERTIFIED DEATHS.

No deaths have been returned to me as uncertified.

## QUARTERLY DEATH RETURNS.

|  | 1st.<br>Quarter | 2nd.<br>Quarter | 3rd.<br>Quarter | 4th.<br>Quarter |
|--|-----------------|-----------------|-----------------|-----------------|
| West Macclesfield .....                      | 86              | 69              | 55              | 94              |
| East Macclesfield .....                      | 58              | 55              | 57              | 55              |
| Sutton .....                                 | 31              | 23              | 20              | 25              |
|  | <hr/> 175 <hr/> | <hr/> 147 <hr/> | <hr/> 132 <hr/> | <hr/> 174 <hr/> |
| Death rates per 1,000 of<br>population ..... | 20              | 16              | 15              | 20              |
| Ditto in 1904 .....                          | 22              | 14              | 18              | 26              |
| Ditto in 1903 .....                          | 16              | 18              | 16              | 17              |

The decreased mortality during the fourth quarter is due to the diminished number of deaths in children under one year of age.

The diminished death rate during the fourth quarter is due to an all round improvement for which the mild weather during that portion of the year is, I believe, mainly responsible.

DEATHS OF PERSONS BELONGING TO WEST  
MACCLESFIELD.

Quarter ending March 1905.

| Diseases.                    | Under<br>1 year | 1-5 | 5-15 | 15-25 | 25-65 | Over<br>65 | Total |
|------------------------------|-----------------|-----|------|-------|-------|------------|-------|
| Scarlatina . . . . .         | ..              | ..  | 1    | ..    | ..    | ..         | 1     |
| Diphtheria . . . . .         | ..              | 2   | ..   | ..    | ..    | ..         | 2     |
| Erysipelas . . . . .         | 1               | ..  | ..   | ..    | ..    | ..         | 1     |
| Other Septic Diseases ..     | ..              | ..  | ..   | ..    | 1     | ..         | 1     |
| Whooping Cough . . . . .     | 5               | 2   | ..   | ..    | ..    | ..         | 7     |
| Bright's Disease . . . . .   | ..              | ..  | ..   | ..    | 2     | 1          | 3     |
| Pulmonary Tuberculosis       | ..              | ..  | ..   | 3     | 6     | ..         | 9     |
| Bronchitis . . . . .         | 1               | 1   | ..   | ..    | 4     | 3          | 9     |
| Pneumonia . . . . .          | 2               | 2   | ..   | ..    | 3     | 1          | 8     |
| Heart Disease . . . . .      | ..              | ..  | 1    | ..    | 4     | 5          | 10    |
| Suicide . . . . .            | ..              | ..  | ..   | ..    | 1     | ..         | 1     |
| Cancer . . . . .             | ..              | ..  | ..   | ..    | 4     | 4          | 8     |
| Convulsions . . . . .        | 1               | ..  | ..   | ..    | ..    | ..         | 1     |
| Apoplexy . . . . .           | ..              | ..  | ..   | ..    | 1     | 1          | 2     |
| Insanity . . . . .           | ..              | ..  | ..   | ..    | ..    | 1          | 1     |
| Other Brain Diseases ..      | ..              | ..  | ..   | ..    | 1     | ..         | 1     |
| Premature Birth . . . . .    | 6               | ..  | ..   | ..    | ..    | ..         | 6     |
| Marasmus . . . . .           | 2               | ..  | ..   | ..    | ..    | ..         | 2     |
| Atrophy (Senile) . . . . .   | ..              | ..  | ..   | ..    | ..    | 2          | 2     |
| Tubercular Meningitis ..     | 1               | ..  | ..   | ..    | ..    | ..         | 1     |
| Tuberculosis . . . . .       | 1               | ..  | ..   | ..    | 1     | ..         | 2     |
| All other Diseases . . . . . | 1               | ..  | ..   | ..    | 4     | 3          | 8     |
| TOTALS . . . . .             | 21              | 7   | 2    | 3     | 32    | 21         | 86    |

# DEATHS OF PERSONS BELONGING TO WEST MACCLESFIELD.

Quarter ending June, 1905.

| Diseases.  | Under  |     |      |       |       | Over |    | Total |
|--|--------|-----|------|-------|-------|------|----|-------|
|  | 1 year | 1-5 | 5-15 | 15-25 | 25-65 | 65   |    |       |
| Influenza . . . . .                              | ..     | ..  | ..   | ..    | 1     | 1    | 2  |       |
| Whooping Cough . . . . .                         | 1      | ..  | ..   | ..    | ..    | ..   | 1  |       |
| Rheumatic Fever . . . . .                        | ..     | ..  | 1    | ..    | ..    | ..   | 1  |       |
| Bright's Disease . . . . .                       | ..     | ..  | ..   | ..    | 4     | 2    | 6  |       |
| Pulmonary Tuberculosis . . . . .                 | ..     | ..  | ..   | ..    | 7     | ..   | 7  |       |
| Bronchitis . . . . .                             | 1      | ..  | ..   | ..    | ..    | 2    | 3  |       |
| Pneumonia . . . . .                              | ..     | ..  | ..   | ..    | ..    | 1    | 1  |       |
| Alcoholism and Cirrho-<br>sis of Liver . . . . . | ..     | ..  | ..   | ..    | 1     | 1    | 2  |       |
| Heart Disease . . . . .                          | ..     | ..  | 4    | ..    | 3     | 3    | 10 |       |
| Injuries . . . . .                               | ..     | ..  | ..   | ..    | 1     | ..   | 1  |       |
| Venereal Diseases . . . . .                      | 1      | ..  | ..   | ..    | ..    | ..   | 1  |       |
| Cancer . . . . .                                 | ..     | ..  | ..   | ..    | 3     | 1    | 4  |       |
| Convulsions . . . . .                            | 2      | ..  | ..   | ..    | ..    | 1    | 3  |       |
| Apoplexy . . . . .                               | ..     | ..  | ..   | ..    | 1     | 2    | 3  |       |
| Insanity . . . . .                               | ..     | ..  | ..   | ..    | 1     | ..   | 1  |       |
| Other Brain Diseases . . . . .                   | ..     | ..  | ..   | ..    | ..    | 3    | 3  |       |
| Premature Birth . . . . .                        | 1      | ..  | ..   | ..    | ..    | ..   | 1  |       |
| Marasmus . . . . .                               | 2      | ..  | ..   | ..    | ..    | ..   | 2  |       |
| Atrophy (Senile) . . . . .                       | ..     | ..  | ..   | ..    | ..    | 11   | 11 |       |
| Tuberculosis . . . . .                           | 1      | ..  | ..   | ..    | ..    | ..   | 1  |       |
| All other Diseases . . . . .                     | ..     | 1   | ..   | ..    | 3     | 1    | 5  |       |
| TOTALS] . . . . .                                | 9      | 1   | 5    | ..    | 28    | 26   | 69 |       |



DEATHS OF PERSONS BELONGING TO WEST  
MACCLESFIELD.

Quarter ending September, 30th 1905.

| Diseases.                                 | Under |        |     |      |       | Over  |    | Total |
|---|-------|--------|-----|------|-------|-------|----|-------|
|   | 6 m.  | 1 year | 1-5 | 5-15 | 15-25 | 25-65 | 65 |       |
| Diphtheria .....                          | ..    | ..     | 1   | ..   | ..    | ..    | .. | 1     |
| Influenza .....                           | ..    | ..     | ..  | ..   | ..    | 1     | .. | 1     |
| Diarrhœa .....                            | 3     | 1      | ..  | ..   | ..    | ..    | .. | 4     |
| Enteritis .....                           | 1     | 1      | ..  | ..   | ..    | ..    | .. | 2     |
| Rheumatic Fever ..                        | ..    | ..     | ..  | ..   | 1     | ..    | .. | 1     |
| Bright's Disease ..                       | ..    | ..     | ..  | ..   | ..    | 1     | .. | 1     |
| Pulmonary Tubercu-<br>losis .....         | ..    | ..     | ..  | ..   | ..    | 1     | .. | 1     |
| Bronchitis .....                          | ..    | ..     | ..  | ..   | ..    | 2     | .. | 2     |
| Pneumonia .....                           | ..    | ..     | ..  | 1    | ..    | ..    | .. | 1     |
| Alcoholism and Cir-<br>rhosis of Liver .. | ..    | ..     | ..  | ..   | ..    | 1     | 1  | 2     |
| Heart Disease .....                       | ..    | ..     | ..  | ..   | ..    | 3     | 1  | 4     |
| Venereal Diseases..                       | 1     | ..     | ..  | ..   | ..    | ..    | .. | 1     |
| Cancer .....                              | ..    | ..     | ..  | ..   | ..    | 4     | 4  | 8     |
| Apoplexy .....                            | ..    | ..     | ..  | ..   | ..    | 1     | 1  | 2     |
| Insanity .....                            | ..    | ..     | ..  | ..   | ..    | 1     | .. | 1     |
| Other Brain Diseases                      | 1     | ..     | ..  | ..   | ..    | 1     | .. | 2     |
| Premature Birth ..                        | 4     | ..     | ..  | ..   | ..    | ..    | .. | 4     |
| Atrophy (Senile)...                       | ..    | ..     | ..  | ..   | ..    | ..    | 9  | 9     |
| Tubercular Mening-<br>itis .....          | ..    | ..     | 1   | ..   | ..    | ..    | .. | 1     |
| All other Diseases..                      | 3     | ..     | ..  | ..   | ..    | 1     | 3  | 7     |
| TOTALS ..                                 | 13    | 1      | 3   | 1    | 1     | 17    | 19 | 55    |

DEATHS OF PERSONS BELONGING TO WEST  
MACCLESFIELD.

Quarter ending December 31st, 1905.

| Diseases.                    | Under |       | 1-5 | 5-15 | 15-25 | 25-65 | Over |    | Total |
|------------------------------|-------|-------|-----|------|-------|-------|------|----|-------|
|                              | 6 m.  | 1 yr. |     |      |       |       | 65   |    |       |
| Scarlatina .....             | ..    | ..    | 3   | ..   | ..    | ..    | ..   | .. | 3     |
| Diphtheria .....             | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Influenza .....              | ..    | ..    | ..  | ..   | ..    | ..    | 1    | .. | 1     |
| Erysipelas .....             | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Other Septic Diseases .....  | ..    | ..    | ..  | 1    | ..    | 1     | ..   | .. | 2     |
| Measles .....                | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Whooping Cough ..            | 1     | ..    | 1   | ..   | ..    | ..    | ..   | .. | 2     |
| Diarrhoea .....              | ..    | ..    | 2   | ..   | ..    | ..    | ..   | .. | 3     |
| Bright's Disease ..          | ..    | ..    | ..  | ..   | ..    | 3     | ..   | 1  | 4     |
| Pulmonary Tuberculosis ..... | ..    | ..    | ..  | ..   | 1     | 5     | ..   | .. | 6     |
| Bronchitis .....             | 1     | ..    | 1   | ..   | ..    | 3     | ..   | 4  | 9     |
| Pneumonia .....              | 1     | ..    | 1   | ..   | ..    | 3     | ..   | 1  | 5     |
| Heart Disease .....          | ..    | ..    | ..  | ..   | ..    | 2     | ..   | 4  | 6     |
| Injuries .....               | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Venereal Diseases ..         | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Cancer .....                 | ..    | ..    | ..  | ..   | ..    | 5     | ..   | 3  | 8     |
| Convulsions .....            | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Apoplexy .....               | ..    | ..    | ..  | ..   | ..    | ..    | ..   | 3  | 3     |
| Other Brain Diseases ..      | ..    | ..    | ..  | 1    | ..    | 1     | ..   | 1  | 3     |
| Premature Birth ..           | 5     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 5     |
| Marasmus .....               | 3     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 3     |
| Atrophy (Senile) ..          | ..    | ..    | ..  | ..   | ..    | 1     | ..   | 14 | 15    |
| Tabes Mesenterica ..         | ..    | 1     | 1   | ..   | ..    | ..    | ..   | .. | 2     |
| Tubercular Meningitis .....  | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| All other Diseases ..        | 1     | ..    | ..  | ..   | 3     | 1     | ..   | 3  | 8     |
| TOTALS .....                 | 15    | 1     | 12  | 2    | 4     | 26    | 35   | .. | 95    |

## DEATHS IN EAST MACCLESFIELD.

Quarter ending March 31st, 1905.

| Diseases.                               | Under |       |     |      |       |       | Over |    | Total |
|---|-------|-------|-----|------|-------|-------|------|----|-------|
|   | 6 m.  | 1 yr. | 1-5 | 5-15 | 15-25 | 25-65 | 65   |    |       |
| Scarlatina .....                        | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Influenza .....                         | ..    | ..    | ..  | ..   | ..    | 1     | ..   | 3  | 4     |
| Erysipelas .....                        | ..    | ..    | ..  | ..   | ..    | ..    | ..   | 1  | 1     |
| Other Septic Diseases .....             | ..    | ..    | ..  | ..   | ..    | 2     | ..   | .. | 2     |
| Whooping Cough ..                       | ..    | 2     | 4   | ..   | ..    | ..    | ..   | .. | 6     |
| Rheumatic Fever ..                      | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Bright's Disease ..                     | ..    | ..    | ..  | ..   | ..    | ..    | 1    | .. | 1     |
| Bronchitis .....                        | 1     | ..    | 1   | ..   | ..    | 1     | ..   | 4  | 7     |
| Pneumonia .....                         | ..    | ..    | ..  | ..   | ..    | 3     | ..   | .. | 3     |
| Alcoholism and<br>Cirrhosis of Liver .. | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Heart Disease .....                     | ..    | ..    | ..  | ..   | ..    | 5     | ..   | 6  | 11    |
| Injuries .....                          | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Venereal Diseases ..                    | 3     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 3     |
| Cancer .....                            | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Convulsions .....                       | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Apoplexy .....                          | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |
| Premature Birth ..                      | 2     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 2     |
| Atrophy (Senile) ..                     | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |
| Tuberculosis .....                      | ..    | 1     | 2   | ..   | ..    | ..    | ..   | .. | 3     |
| All other Diseases ..                   | ..    | ..    | ..  | 1    | 1     | 2     | 1    | .. | 5     |
| TOTALS .....                            | 7     | 3     | 8   | 1    | 1     | 18    | 20   | .. | 58    |



## DEATHS IN EAST MACCLESFIELD.

Quarter ending June, 1905.

| Diseases.            | Under |       |     |      |       |       | Over |    | Total |
|----------------------|-------|-------|-----|------|-------|-------|------|----|-------|
|                      | 6 m.  | 1 yr. | 1-5 | 5-15 | 15-25 | 25-65 | 65   |    |       |
| Scarlatina .....     | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Diphtheria .....     | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Erysipelas .....     | ..    | ..    | ..  | ..   | ..    | ..    | 1    | .. | 1     |
| Diarrhœa .....       | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Enteritis .....      | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Rheumatic Fever ..   | ..    | ..    | ..  | 1    | ..    | ..    | ..   | .. | 1     |
| Bright's Disease ..  | ..    | ..    | ..  | ..   | ..    | 1     | ..   | 1  | 2     |
| P u l m o n a r y    |       |       |     |      |       |       |      |    |       |
| Tuberculosis ..      | ..    | ..    | ..  | ..   | 1     | ..    | ..   | 1  | 2     |
| Bronchitis .....     | ..    | 1     | ..  | ..   | ..    | 1     | ..   | 1  | 3     |
| Pneumonia .....      | ..    | 1     | 1   | ..   | ..    | 1     | ..   | 1  | 4     |
| Heart Disease ....   | ..    | ..    | ..  | 1    | ..    | 2     | ..   | .. | 3     |
| Injuries .....       | 1     | ..    | ..  | ..   | ..    | 1     | ..   | .. | 2     |
| Venereal Diseases..  | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Cancer .....         | ..    | ..    | ..  | ..   | ..    | 6     | ..   | .. | 6     |
| Apoplexy .....       | ..    | ..    | ..  | ..   | ..    | 1     | ..   | 2  | 3     |
| Premature Birth..    | 2     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 2     |
| Atrophy (Senile) ..  | ..    | ..    | ..  | ..   | ..    | ..    | 10   | .. | 10    |
| Tabes Mesenterica    | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Tubercular Mening-   |       |       |     |      |       |       |      |    |       |
| itis .....           | 1     | ..    | ..  | 1    | ..    | ..    | ..   | .. | 2     |
| Tuberculosis .....   | ..    | 2     | ..  | ..   | ..    | ..    | ..   | .. | 2     |
| All other Diseases.. | ..    | ..    | ..  | ..   | 1     | 3     | ..   | 2  | 6     |
| TOTALS .....         | 7     | 4     | 4   | 3    | 2     | 16    | 19   | .. | 55    |



## DEATHS IN EAST MACCLESFIELD.

Quarter ending September 30th, 1905.

| Diseases.                               | Under |       | 1-5 | 5-15 | 15-25 | 25-65 | Over |    | Total |
|---|-------|-------|-----|------|-------|-------|------|----|-------|
|   | 6 m.  | 1 yr. |     |      |       |       | 65   |    |       |
| Scarlatina .....                        | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Other Septic Diseases .....             | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Diarrhœa .....                          | 5     | 1     | 3   | ..   | ..    | ..    | ..   | .. | 9     |
| Enteritis .....                         | 2     | ..    | ..  | ..   | ..    | ..    | 1    | .. | 3     |
| Rheumatic Fever .....                   | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Bright's Disease ..                     | ..    | ..    | ..  | 1    | ..    | 2     | ..   | .. | 3     |
| P u l m o n a r y<br>Tuberculosis ..    | ..    | ..    | ..  | ..   | ..    | 3     | ..   | .. | 3     |
| Pneumonia .....                         | ..    | ..    | ..  | ..   | ..    | 2     | ..   | .. | 2     |
| Other Respiratory<br>Diseases .....     | ..    | ..    | ..  | ..   | 1     | ..    | ..   | .. | 1     |
| Alcoholism and<br>Cirrhosis of Liver .. | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Heart Disease .....                     | ..    | ..    | ..  | ..   | ..    | 1     | 3    | .. | 4     |
| Injuries .....                          | 1     | ..    | ..  | ..   | ..    | 1     | ..   | .. | 2     |
| Venereal Diseases ..                    | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Cancer .....                            | ..    | ..    | ..  | ..   | ..    | 4     | 2    | .. | 6     |
| Apoplexy .....                          | ..    | ..    | ..  | ..   | ..    | 1     | 2    | .. | 3     |
| Other Brain Dis-<br>eases .....         | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |
| Marasmus .....                          | 1     | 1     | ..  | ..   | ..    | ..    | ..   | .. | 2     |
| Atrophy (Senile) ..                     | ..    | ..    | ..  | ..   | ..    | 1     | 3    | .. | 4     |
| Tabes Mesenterica ..                    | ..    | 1     | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Tuberculosis .....                      | ..    | 1     | ..  | ..   | 1     | 1     | ..   | .. | 3     |
| All other Diseases ..                   | ..    | ..    | ..  | 1    | ..    | 4     | ..   | .. | 5     |
| TOTALS .....                            | 10    | 4     | 5   | 2    | 2     | 23    | 11   | .. | 57    |



## DEATHS IN EAST MACCLESFIELD.

Quarter ending December 31st, 1905.

| Diseases.            | Under |       |     |      |       |       | Over |    | Total |
|----------------------|-------|-------|-----|------|-------|-------|------|----|-------|
|                      | 6 m.  | 1 yr. | 1-5 | 5-15 | 15-25 | 25-65 | 65   |    |       |
| Other Septic Dis-    |       |       |     |      |       |       |      |    |       |
| eases .....          |       | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| Diarrhoea .....      | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Bright's Disease ..  | ..    | ..    | ..  | ..   | ..    | 1     | ..   | 1  | 2     |
| Pulmonary            |       |       |     |      |       |       |      |    |       |
| Tuberculosis .....   | ..    | ..    | ..  | ..   | 3     | 4     | ..   | .. | 7     |
| Bronchitis .....     | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |
| Pneumonia .....      | ..    | ..    | ..  | 1    | 2     | 2     | 2    | .. | 7     |
| Heart Disease .....  | ..    | ..    | ..  | ..   | ..    | 2     | 4    | .. | 6     |
| Injuries .....       | ..    | ..    | ..  | ..   | ..    | 1     | 1    | .. | 2     |
| Cancer .....         | ..    | ..    | ..  | ..   | ..    | 3     | 1    | .. | 4     |
| Convulsions .....    | 1     | ..    | 2   | ..   | ..    | ..    | ..   | .. | 3     |
| Apoplexy .....       | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |
| Premature Birth ..   | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |
| Atrophy (Senile) ..  | ..    | ..    | ..  | ..   | ..    | ..    | 8    | .. | 8     |
| Tuberculosis .....   | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |
| All other Diseases.. | ..    | ..    | 1   | ..   | 1     | 6     | ..   | .. | 8     |
| TOTALS .....         | 3     | ..    | 3   | 1    | 6     | 21    | 21   | .. | 55    |

## DEATHS IN SUTTON.

Quarter ending March, 1905.

| Diseases.                             | Under |       |     | Over |       |       |    | Total |
|---------------------------------------|-------|-------|-----|------|-------|-------|----|-------|
|                                       | 6 m.  | 1 yr. | 1-5 | 5-15 | 15-25 | 25-65 | 65 |       |
| Smallpox .....                        | ..    | ..    | ..  | ..   | ..    | ..    | 1  | 1     |
| Membranous Croup ..                   | ..    | ..    | 1   | ..   | ..    | ..    | .. | 1     |
| Influenza .....                       | ..    | ..    | ..  | ..   | ..    | 3     | .. | 3     |
| Whooping Cough..                      | ..    | 1     | ..  | 1    | ..    | ..    | .. | 2     |
| Pulmonary<br>Tuberculosis .....       | ..    | ..    | ..  | ..   | 1     | ..    | .. | 1     |
| Bronchitis .....                      | 1     | ..    | ..  | ..   | ..    | 1     | 1  | 3     |
| Pneumonia .....                       | ..    | 2     | ..  | 1    | ..    | ..    | 1  | 4     |
| Alcoholism &<br>Cirrhosis of Liver .. | ..    | ..    | ..  | ..   | ..    | 1     | .. | 1     |
| Heart Disease .....                   | ..    | ..    | ..  | ..   | ..    | ..    | 1  | 1     |
| Injuries .....                        | 1     | ..    | ..  | ..   | ..    | ..    | .. | 1     |
| Venereal Diseases..                   | 1     | ..    | ..  | ..   | ..    | ..    | .. | 1     |
| Cancer .....                          | ..    | ..    | ..  | ..   | ..    | 1     | 1  | 2     |
| Other Brain Dis-<br>eases .....       | ..    | ..    | 1   | ..   | ..    | ..    | .. | 1     |
| Marasmus .....                        | 1     | ..    | ..  | ..   | ..    | ..    | .. | 1     |
| Atrophy (Senile) ..                   | ..    | ..    | ..  | ..   | ..    | ..    | 4  | 4     |
| Tuberculosis .....                    | ..    | ..    | 1   | ..   | ..    | ..    | .. | 1     |
| All other Diseases..                  | ..    | ..    | ..  | ..   | 1     | ..    | 2  | 3     |
| TOTALS .....                          | 4     | 3     | 5   | ..   | 2     | 6     | 11 | 31    |



## DEATHS OF PERSONS BELONGING TO SUTTON.

Quarter ending June 30th, 1905.

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|                            | Under  |      |      |       |       | Over |       |  |
|----------------------------|--------|------|------|-------|-------|------|-------|--|
|                            | 1 year | 1-5  | 5-15 | 15-25 | 25-65 | 65   | Total |  |
| <hr/>                      |        |      |      |       |       |      |       |  |
| Bright's Disease .....     | ..     | ..   | ..   | ..    | 2 ..  | ..   | 2     |  |
| Pulmonary Tuberculosis..   | ..     | ..   | ..   | ..    | 3 ..  | 1 .. | 4     |  |
| Pneumonia .....            | ..     | 1 .. | ..   | ..    | 1 ..  | ..   | 2     |  |
| Other Respiratory Diseases | ..     | ..   | ..   | 1 ..  | ..    | ..   | 1     |  |
| Heart Disease .....        | ..     | ..   | ..   | ..    | ..    | 2 .. | 2     |  |
| Cancer .....               | ..     | ..   | ..   | ..    | ..    | 1 .. | 1     |  |
| Apoplexy .....             | ..     | ..   | ..   | ..    | 1 ..  | 1 .. | 2     |  |
| Marasmus .....             | ..     | 1 .. | ..   | ..    | ..    | ..   | 1     |  |
| Atrophy (Senile) .....     | ..     | ..   | ..   | ..    | ..    | 4 .. | 4     |  |
| Tubercular Meningitis ..   | ..     | 2 .. | ..   | ..    | ..    | ..   | 2     |  |
| All other Diseases .....   | ..     | ..   | ..   | ..    | 2 ..  | ..   | 2     |  |
| <hr/>                      |        |      |      |       |       |      |       |  |
| TOTALS .....               | ..     | 4 .. | ..   | 1 ..  | 9 ..  | 9 .. | 23    |  |

## DEATHS OF PERSONS BELONGING TO SUTTON.

Quarter ending September, 30th 1905.

| Diseases.                          | Under |       | 1-5 | 5-15 | 15-25 | 25-65 | Over |    | Total  |
|------------------------------------|-------|-------|-----|------|-------|-------|------|----|--------|
|                                    | 6 m.  | 1 yr. |     |      |       |       | 65   |    |        |
| Diarrhœa .....                     | 2     | ..    | ..  | ..   | ..    | ..    | ..   | 2  | .. 4   |
| Pulmonary Tuber-<br>culosis .....  | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1      |
| Pneumonia .....                    | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1      |
| Other Respiratory<br>Diseases..... | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1      |
| Heart Disease ....                 | ..    | ..    | ..  | ..   | ..    | 2     | ..   | .. | 2      |
| Suicide .....                      | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1      |
| Cancer .....                       | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1      |
| Apoplexy .....                     | ..    | ..    | ..  | ..   | ..    | 2     | ..   | 1  | .. 3   |
| Other Brain Dis-<br>eases .....    | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1      |
| Marasmus .....                     | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1      |
| Atrophy (Senile) ..                | ..    | ..    | ..  | ..   | ..    | ..    | ..   | 1  | .. 1   |
| All other Diseases..               | ..    | ..    | ..  | 1    | ..    | ..    | 1    | .. | 1 .. 3 |
| TOTALS ....                        | 4     | ..    | ..  | 1    | ..    | .. 10 | ..   | 5  | .. 20  |

## DEATHS OF PERSONS BELONGING TO SUTTON.

Quarter ending December 31st, 1905.

| Diseases.            | Under |       | 1-5 | 5-15 | 15-25 | 25-65 | Over |    | Total |    |    |    |
|----------------------|-------|-------|-----|------|-------|-------|------|----|-------|----|----|----|
|                      | 6 m.  | 1 yr. |     |      |       |       | 65   |    |       |    |    |    |
| Other Septic Dis-    |       |       |     |      |       |       |      |    |       |    |    |    |
| eases .....          | ..    | 1     | ..  | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |
| Bright's Disease ..  | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |    |    |    |
| Pulmonary Tuber-     |       |       |     |      |       |       |      |    |       |    |    |    |
| culosis .....        | ..    | ..    | ..  | ..   | 1     | ..    | ..   | .. | 1     |    |    |    |
| Bronchitis .....     | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |    |    |    |
| Pneumonia .....      | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |    |    |    |
| Heart Disease ....   | ..    | ..    | ..  | ..   | ..    | 3     | ..   | 2  | 5     |    |    |    |
| Suicide .....        | ..    | ..    | ..  | ..   | ..    | 1     | ..   | .. | 1     |    |    |    |
| Cancer .....         | ..    | ..    | ..  | ..   | 1     | 2     | ..   | 1  | 4     |    |    |    |
| Convulsions .....    | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |
| Apoplexy .....       | ..    | ..    | ..  | ..   | ..    | ..    | 1    | .. | 1     |    |    |    |
| Premature Birth      | 2     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 2     |    |    |    |
| Atrohpy (Senile) ..  | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |    |    |    |
| Tuberculosis ....    | ..    | ..    | ..  | ..   | 1     | ..    | ..   | .. | 1     |    |    |    |
| All other Diseases.. | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |
| TOTALS ....          | 3     | ..    | 1   | ..   | ..    | 3     | ..   | 7  | ..    | 10 | .. | 25 |

## DISTRICT MORTALITY.

In considering District Mortality we must bear in mind that many persons die in West Macclesfield from diseases contracted in either East Macclesfield or Sutton. This arises from the fact that all the Public Institutions for the reception of sick and infirm people are situated in West Macclesfield. With the valuable help of the Registrar of Deaths for West Macclesfield, I am enabled to properly distribute these deaths to the several districts to which they originally belonged, and thus prevent the death rate of West Macclesfield being unduly raised, to the advantage of the remaining districts.

## PRINCIPAL DISTRICT MORTALITY RATES.

Year, 1905.

| Macclesfield. | General<br>Death rate. | Zymotic death<br>rate. | Respiratory<br>death rate. | Phthisis<br>death rate. | Deaths from<br>other forms of<br>Tuberculosis. | Infantile<br>Mortality<br>rate. |
|---------------|------------------------|------------------------|----------------------------|-------------------------|--|---------------------------------|
| West .....    | 17.5                   | 1.5                    | 2.1                        | 1.3                     | 0.4  | 168                             |
| East .....    | 18.0                   | 1.6                    | 2.4                        | 0.9                     | 1.0  | 132                             |
| Sutton .....  | 20.2                   | 1.6                    | 3.0                        | 1.2                     | 0.8  | 129                             |

Year 1904.

| Macclesfield. | Death rate<br>per 1,000<br>Inhabitants. | Zymotic death<br>rate. | Respiratory<br>death rate. | Phthisis<br>death rate. | Deaths from<br>other forms of<br>Tuberculosis. | Infantile<br>Mortality<br>rate. |
|---------------|---|------------------------|----------------------------|-------------------------|--|---------------------------------|
| West .....    | 19.3                                    | 2.0                    | 2.6                        | 1.3                     | 0.8  | 173                             |
| East .....    | 21.2                                    | 2.9                    | 3.6                        | 1.7                     | 1.0  | 190                             |
| Sutton .....  | 20.2                                    | 1.6                    | 3.0                        | 0.2                     | 0.4  | 166                             |



## Year 1903.

| Macclesfield.    | Death rate<br>per 1,000<br>Inhabitants. | Zymotic death<br>rate. | Respiratory<br>death rate. | Phthisis<br>death rate. | Deaths from<br>other forms of<br>Tuberculosis. | Infantile<br>Mortality<br>rate. |
|------------------|---|------------------------|----------------------------|-------------------------|--|---------------------------------|
| West . . . . .   | 17.7                                    | 0.7                    | 1.5                        | 1.2                     | 0.2  | 110                             |
| East . . . . .   | 19.2                                    | 1.5                    | 3.0                        | 1.2                     | 0.6  | 170                             |
| Sutton . . . . . | 11.0                                    | 0.2                    | 1.2                        | 1.0                     | 1.0  | 114                             |

## Year 1902.

| Macclesfield.    | Death rate<br>per 1,000<br>Inhabitants. | Zymotic death<br>rate. | Respiratory<br>death rate. | Phthisis<br>death rate. | Deaths from<br>other forms of<br>Tuberculosis. | Infantile<br>Mortality.<br>rate. |
|------------------|---|------------------------|----------------------------|-------------------------|--|----------------------------------|
| West . . . . .   | 15.6                                    | 0.17                   | 1.0                        | 1.9                     | 0.6  | 111                              |
| East . . . . .   | 15.7                                    | 0.32                   | 2.4                        | 1.4                     | 0.4  | 190                              |
| Sutton . . . . . | 12.0                                    | 0.81                   | 1.4                        | 0.4                     | 0.1  | 65                               |

# DEATHS OF PERSONS BELONGING TO WEST MACCLESFIELD.

Year ending December 31st, 1905.

| Diseases.            | Under |       |     | Over |       |       |     |    | Total |
|----------------------|-------|-------|-----|------|-------|-------|-----|----|-------|
|                      | 6 m.  | 1 yr. | 1-5 | 5-15 | 15-25 | 25-65 | 65  |    |       |
| Scarlatina .....     | ..    | ..    | 3   | 1    | ..    | ..    | ..  | .. | 4     |
| Diphtheria .....     | ..    | ..    | 4   | ..   | ..    | ..    | ..  | .. | 4     |
| Influenza .....      | ..    | ..    | ..  | ..   | ..    | 2     | 2   | .. | 4     |
| Erysipelas .....     | ..    | ..    | ..  | ..   | ..    | 1     | ..  | .. | 1     |
| Other Septic Dis-    |       |       |     |      |       |       |     |    |       |
| eases .....          | ..    | ..    | ..  | 1    | ..    | 2     | ..  | .. | 3     |
| Measles .....        | ..    | ..    | 1   | ..   | ..    | ..    | ..  | .. | 1     |
| Whooping Cough..     | 1     | 6     | 3   | ..   | ..    | ..    | ..  | .. | 10    |
| Diarrhœa .....       | 4     | 1     | 2   | ..   | ..    | ..    | ..  | .. | 7     |
| Enteritis .....      | 1     | ..    | 1   | ..   | ..    | ..    | ..  | .. | 2     |
| Rheumatic Fever..    | ..    | ..    | ..  | 1    | 1     | ..    | ..  | .. | 2     |
| Bright's Disease ..  | ..    | ..    | ..  | ..   | ..    | 10    | 4   | .. | 14    |
| Pulmonary Tuber-     |       |       |     |      |       |       |     |    |       |
| culosis .....        | ..    | ..    | ..  | ..   | 4     | 19    | ..  | .. | 23    |
| Bronchitis .....     | 1     | 2     | 2   | ..   | ..    | 9     | 9   | .. | 23    |
| Pneumonia .....      | ..    | 2     | 3   | 1    | ..    | 6     | 3   | .. | 15    |
| Alcoholism & Cir-    |       |       |     |      |       |       |     |    |       |
| rhosis of Liver ..   | ..    | ..    | ..  | ..   | ..    | 2     | 2   | .. | 4     |
| Heart Disease ....   | ..    | ..    | ..  | 5    | ..    | 12    | 13  | .. | 30    |
| Suicide .....        | ..    | ..    | ..  | ..   | ..    | 1     | ..  | .. | 1     |
| Injuries .....       | 1     | ..    | ..  | ..   | ..    | 1     | ..  | .. | 2     |
| Venereal Diseases    | 3     | ..    | ..  | ..   | ..    | ..    | ..  | .. | 3     |
| Cancer .....         | ..    | ..    | ..  | ..   | ..    | 16    | 12  | .. | 28    |
| Convulsions .....    | 4     | ..    | ..  | ..   | ..    | ..    | 1   | .. | 5     |
| Apoplexy .....       | ..    | ..    | ..  | ..   | ..    | 3     | 7   | .. | 10    |
| Insanity .....       | ..    | ..    | ..  | ..   | ..    | 2     | 1   | .. | 3     |
| Other Brain Dis-     |       |       |     |      |       |       |     |    |       |
| eases .....          | 1     | ..    | ..  | 1    | ..    | 6     | 1   | .. | 9     |
| Premature Birth      | 16    | ..    | ..  | ..   | ..    | ..    | ..  | .. | 16    |
| Marasmus .....       | 7     | ..    | ..  | ..   | ..    | ..    | ..  | .. | 7     |
| Atrophy (Senile) ..  | ..    | ..    | ..  | ..   | ..    | 1     | 36  | .. | 37    |
| Tabes Mesenterica    | ..    | 1     | 1   | ..   | ..    | ..    | ..  | .. | 2     |
| Tubercular Mening-   |       |       |     |      |       |       |     |    |       |
| itis .....           | ..    | 1     | 2   | ..   | ..    | ..    | ..  | .. | 3     |
| Tuberculosis ....    | ..    | 2     | ..  | ..   | ..    | 1     | ..  | .. | 3     |
| All other Diseases.. | 4     | 1     | 1   | ..   | 3     | 9     | 10  | .. | 28    |
| TOTALS .....         | 43    | 16    | 23  | 10   | 8     | 103   | 101 | .. | 304   |

## DEATHS IN EAST MACCLESFIELD.

Year ending December 31st, 1905.

| Diseases.                          | Under |       |     | Over |       |       |    | Total |
|------------------------------------|-------|-------|-----|------|-------|-------|----|-------|
|                                    | 6 m.  | 1 yr. | 1-5 | 5-15 | 15-25 | 25-65 | 65 |       |
| Scarlatina .....                   | ..    | ..    | 3   | ..   | ..    | ..    | .. | 3     |
| Diphtheria .....                   | ..    | ..    | 1   | ..   | ..    | ..    | .. | 1     |
| Influenza .....                    | ..    | ..    | ..  | ..   | ..    | 1     | 3  | 4     |
| Erysipelas .....                   | ..    | ..    | ..  | ..   | ..    | ..    | 2  | 2     |
| Other Septic Diseases .....        | ..    | ..    | ..  | ..   | ..    | 4     | .. | 4     |
| Whooping Cough .....               | ..    | 2     | 4   | ..   | ..    | ..    | .. | 6     |
| Diarrhœa .....                     | 7     | 1     | 3   | ..   | ..    | ..    | .. | 11    |
| Enteritis .....                    | 3     | ..    | ..  | ..   | ..    | ..    | 1  | 4     |
| Rheumatic Fever .....              | ..    | ..    | ..  | 1    | ..    | 2     | .. | 3     |
| Bright's Disease ..                | ..    | ..    | ..  | 1    | ..    | 5     | 2  | 8     |
| Pulmonary Tuberculosis .....       | ..    | ..    | ..  | ..   | 7     | 4     | 1  | 12    |
| Bronchitis .....                   | 1     | 1     | 1   | ..   | ..    | 2     | 7  | 12    |
| Pneumonia .....                    | ..    | 1     | 1   | 1    | 2     | 8     | 3  | 16    |
| Other Respiratory Diseases .....   | ..    | ..    | ..  | ..   | 1     | ..    | .. | 1     |
| Alcoholism & Cirrhosis of Liver .. | ..    | ..    | ..  | ..   | ..    | 2     | .. | 2     |
| Heart Disease .....                | ..    | ..    | ..  | 1    | ..    | 10    | 13 | 24    |
| Injuries .....                     | 2     | ..    | ..  | ..   | ..    | 4     | 1  | 7     |
| Venereal Diseases ..               | 5     | ..    | ..  | ..   | ..    | ..    | .. | 5     |
| Cancer .....                       | ..    | ..    | ..  | ..   | ..    | 14    | 3  | 17    |
| Convulsions .....                  | 2     | ..    | 2   | ..   | ..    | ..    | .. | 4     |
| Apoplexy .....                     | ..    | ..    | ..  | ..   | ..    | 2     | 8  | 10    |
| Other Brain Diseases .....         | ..    | ..    | 1   | ..   | ..    | ..    | .. | 1     |
| Premature Birth .....              | 5     | ..    | ..  | ..   | ..    | ..    | .. | 5     |
| Marasmus .....                     | 1     | 1     | ..  | ..   | ..    | ..    | .. | 2     |
| Atrophy (Senile) ..                | ..    | ..    | ..  | ..   | ..    | 1     | 23 | 24    |
| Tabes Mesenterica ..               | ..    | 1     | 1   | ..   | ..    | ..    | .. | 2     |
| Tubercular Meningitis .....        | 1     | ..    | ..  | 1    | ..    | ..    | .. | 2     |
| Tuberculosis .....                 | ..    | 4     | 2   | ..   | 1     | 2     | .. | 9     |
| All other Diseases ..              | ..    | ..    | 1   | 2    | 3     | 15    | 3  | 24    |
| TOTALS .....                       | 27    | 11    | 20  | 7    | 14    | 76    | 70 | 225   |

## DEATHS OF PERSONS BELONGING TO SUTTON.

Year ending December 31st, 1905.

| Diseases.                               | Under |       |     |      |       |       | Over |    | Total |    |    |    |    |
|---|-------|-------|-----|------|-------|-------|------|----|-------|----|----|----|----|
|   | 6 m.  | 1 yr. | 1-5 | 5-15 | 15-25 | 25-65 | 65   |    |       |    |    |    |    |
| Smallpox .....                          | ..    | ..    | ..  | ..   | ..    | ..    | 1    | .. | 1     |    |    |    |    |
| Membranous Croup .....                  | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |    |
| Influenza .....                         | ..    | ..    | ..  | ..   | ..    | 3     | ..   | .. | 3     |    |    |    |    |
| Other Septic Diseases .....             | ..    | 1     | ..  | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |    |
| Whooping Cough .....                    | ..    | 1     | ..  | 1    | ..    | ..    | ..   | .. | 2     |    |    |    |    |
| Diarrhœa .....                          | 2     | ..    | ..  | ..   | ..    | ..    | 2    | .. | 4     |    |    |    |    |
| Bright's Disease ..                     | ..    | ..    | ..  | ..   | ..    | 2     | ..   | 3  | 5     |    |    |    |    |
| Pulmonary Tuberculosis .....            | ..    | ..    | ..  | ..   | 2     | ..    | 4    | .. | 6     |    |    |    |    |
| Bronchitis .....                        | 1     | ..    | ..  | ..   | ..    | ..    | 1    | 3  | 5     |    |    |    |    |
| Pneumonia .....                         | 1     | ..    | 2   | ..   | 2     | ..    | 2    | 1  | 8     |    |    |    |    |
| Other Respiratory Diseases .....        | ..    | ..    | ..  | ..   | 1     | ..    | 1    | .. | 2     |    |    |    |    |
| Alcoholism and Cirrhosis of Liver ..... | ..    | ..    | ..  | ..   | ..    | ..    | 1    | .. | 1     |    |    |    |    |
| Heart Disease ....                      | ..    | ..    | ..  | ..   | ..    | ..    | 5    | 5  | 10    |    |    |    |    |
| Suicide .....                           | ..    | ..    | ..  | ..   | ..    | ..    | 2    | .. | 2     |    |    |    |    |
| Injuries .....                          | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |    |
| Venereal Diseases ..                    | 1     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |    |
| Cancer .....                            | ..    | ..    | ..  | ..   | 1     | ..    | 4    | 3  | 8     |    |    |    |    |
| Convulsions .....                       | ..    | ..    | 1   | ..   | ..    | ..    | ..   | .. | 1     |    |    |    |    |
| Apoplexy .....                          | ..    | ..    | ..  | ..   | ..    | ..    | 3    | 3  | 6     |    |    |    |    |
| Other Brain Diseases .....              | ..    | ..    | 1   | ..   | ..    | ..    | 1    | .. | 2     |    |    |    |    |
| Premature Birth ..                      | 2     | ..    | ..  | ..   | ..    | ..    | ..   | .. | 2     |    |    |    |    |
| Marasmus .....                          | 2     | ..    | ..  | 1    | ..    | ..    | ..   | .. | 3     |    |    |    |    |
| Atrophy (Senile) ..                     | ..    | ..    | ..  | ..   | ..    | ..    | ..   | 11 | 11    |    |    |    |    |
| Tubercular Meningitis .....             | ..    | ..    | 2   | ..   | ..    | ..    | ..   | .. | 2     |    |    |    |    |
| Tuberculosis ....                       | ..    | ..    | 1   | ..   | 1     | ..    | ..   | .. | 2     |    |    |    |    |
| All other Diseases ..                   | 1     | ..    | ..  | ..   | 1     | ..    | 3    | 3  | 9     |    |    |    |    |
| TOTALS ....                             | 11    | ..    | 4   | ..   | 10    | ..    | 6    | .. | 32    | .. | 35 | .. | 99 |



# DEATHS IN PUBLIC INSTITUTIONS.

| Year ending Dec. 31st, 1905   | ISOLATION & SMALLPOX HOSPITALS |     |      |       |       |    |       | WORKHOUSE. |     |      |       |       |    |       | INFIRMARY. |     |      |       |       |    |       | ASYLUM. |     |      |       |       |    |        | TOTALS.     |       |  |
|-------------------------------|--------------------------------|-----|------|-------|-------|----|-------|------------|-----|------|-------|-------|----|-------|------------|-----|------|-------|-------|----|-------|---------|-----|------|-------|-------|----|--------|-------------|-------|--|
|                               | Under                          |     |      | Over  |       |    |       | Under      |     |      | Over  |       |    |       | Under      |     |      | Over  |       |    |       | Under   |     |      | Over  |       |    |        | Total       | Total |  |
| DISEASES.                     | 1 year                         | 1-5 | 5-15 | 15-25 | 25-65 | 65 | Total | 1 year     | 1-5 | 5-15 | 15-25 | 25-65 | 65 | Total | 1 year     | 1-5 | 5-15 | 15-25 | 25-65 | 65 | Total | 1 year  | 1-5 | 5-15 | 15-25 | 25-65 | 65 | Asylum | Institution |       |  |
| Smallpox .....                |                                |     |      |       |       | 1  | 1     |            |     |      |       |       |    |       |            |     |      |       |       |    |       |         |     |      |       |       |    |        | 1           |       |  |
| Scarlatina .....              | 3                              | 1   |      |       |       |    | 4     |            |     |      |       |       |    |       |            |     |      |       |       |    |       |         |     |      |       |       |    |        | 4           |       |  |
| Diphtheria .....              | 3                              |     |      |       |       |    | 3     |            |     |      |       |       |    |       |            | 1   |      |       |       |    | 1     |         |     |      |       |       |    |        | 4           |       |  |
| Erysipelas.....               |                                |     |      |       |       |    |       |            |     |      |       |       |    |       |            |     |      |       |       |    |       |         |     |      |       | 1     | 1  |        | 1           |       |  |
| Other Septic Diseases ..      |                                |     |      |       |       |    |       |            |     |      |       | 1     | 1  |       |            |     |      | 1     | 1     |    | 2     |         |     |      |       |       |    |        | 3           |       |  |
| Whooping Cough .....          |                                |     |      |       |       |    |       |            | 1   |      |       |       | 1  |       |            |     |      |       |       |    |       |         |     |      |       |       |    |        | 1           |       |  |
| Diarrhœa .....                |                                |     |      |       |       |    |       |            |     |      |       |       |    | 1     |            |     |      |       |       |    | 1     |         |     |      |       |       |    |        | 1           |       |  |
| Enteritis .....               |                                |     |      |       |       |    |       |            |     |      |       |       | 1  |       |            |     |      |       |       |    | 1     |         |     |      |       |       |    |        | 1           |       |  |
| Rheumatic Fever .....         |                                |     |      |       |       |    |       |            |     |      |       | 1     | 1  |       |            |     |      | 1     |       |    | 1     |         |     |      |       |       |    |        | 2           |       |  |
| Bright's Disease .....        |                                |     |      |       |       |    |       |            |     |      |       | 3     | 3  |       |            |     |      |       |       |    |       |         |     |      |       | 6     | 5  | 11     | 14          |       |  |
| Pulmonary Tuberculosis ..     |                                |     |      |       |       |    |       |            |     |      |       | 11    | 13 |       |            |     |      |       | 1     |    | 1     |         |     |      | 1     | 8     |    | 9      | 23          |       |  |
| Bronchitis.....               |                                |     |      |       |       |    |       |            |     |      | 1     | 2     | 1  |       |            |     |      |       | 1     |    | 1     |         |     |      |       | 1     |    | 1      | 3           |       |  |
| Pneumonia .....               |                                |     |      |       |       |    |       |            |     | 1    |       | 1     | 7  | 9     |            |     |      |       | 4     |    | 4     |         |     |      |       | 8     | 1  | 9      | 22          |       |  |
| Other Respiratory Diseases .. |                                |     |      |       |       |    |       |            |     |      |       | 1     | 1  |       |            |     |      | 1     |       |    | 1     |         |     |      |       | 2     | 1  | 3      | 5           |       |  |
| Heart Disease .....           |                                |     |      |       |       |    |       |            |     |      |       | 5     | 5  | 10    |            |     | 1    |       | 3     |    | 4     |         |     |      |       | 6     | 2  | 8      | 22          |       |  |
| Injuries .....                |                                |     |      |       |       |    |       |            |     |      |       |       |    | 1     |            |     |      |       | 2     |    | 3     |         |     |      |       | 1     | 1  |        | 4           |       |  |
| Venereal Diseases .....       |                                |     |      |       |       |    |       | 2          |     |      |       |       |    | 2     | 3          |     |      |       |       |    | 3     |         |     |      |       |       |    |        | 5           |       |  |
| Cancer .....                  |                                |     |      |       |       |    |       |            |     |      |       | 7     | 7  | 14    |            |     |      |       | 5     |    | 5     |         |     |      |       | 3     |    | 3      | 22          |       |  |
| Apoplexy .....                |                                |     |      |       |       |    |       |            |     |      |       | 3     | 2  | 5     |            |     |      |       |       | 2  | 2     |         |     |      |       |       |    |        | 7           |       |  |
| Insanity .....                |                                |     |      |       |       |    |       |            |     |      |       |       |    |       |            |     |      |       |       |    |       |         |     |      | 10    | 1     | 11 |        | 11          |       |  |
| Other Brain Diseases ..       |                                |     |      |       |       |    |       |            |     | 1    |       | 3     |    | 4     |            |     |      |       |       |    |       |         |     |      |       | 8     | 9  |        | 13          |       |  |
| Marasmus .....                |                                |     |      |       |       |    |       |            |     |      |       |       |    | 1     |            |     |      |       |       |    | 1     |         |     |      |       |       |    |        | 1           |       |  |
| Atrophy (Senile) .....        |                                |     |      |       |       |    |       |            |     |      |       |       | 24 | 24    |            |     |      |       |       |    |       |         |     |      |       |       | 2  | 2      | 26          |       |  |
| Tabes Mesenterica .....       |                                |     |      |       |       |    |       |            | 1   |      |       |       |    | 1     |            |     |      |       |       |    |       |         |     |      |       |       |    |        | 1           |       |  |
| Tubercular Meningitis ..      |                                |     |      |       |       |    |       | 1          |     |      |       |       |    | 1     |            |     |      |       |       |    |       |         |     |      |       |       |    |        | 1           |       |  |
| Tuberculosis .....            |                                |     |      |       |       |    |       | 3          | 2   |      |       |       |    | 5     |            | 2   |      |       |       |    | 2     |         |     |      |       |       |    |        | 7           |       |  |
| All other Diseases .....      |                                |     |      |       |       |    |       |            |     |      | 1     | 5     | 1  | 7     | 2          |     |      | 2     | 5     | 2  | 11    |         |     |      | 1     | 3     |    | 4      | 22          |       |  |
| TOTALS .....                  | 6                              | 1   |      |       |       | 1  | 8     | 6          | 4   | 2    | 1     | 42    | 48 | 103   | 9          | 3   | 1    | 5     | 22    | 4  | 44    |         |     |      | 3     | 56    | 13 | 72     | 227         |       |  |



There is a marked improvement in all the district mortality figures, one of the most satisfactory features of which is the improved Infantile Mortality Rate in East Macclesfield, which is much below the average for some years past, and upon I shall comment more fully under the head of Infantile Mortality.

The death rates from Phthisis, Pulmonary Tuberculosis are still much too high and I trust that some more active measures may be taken to check the spread of this disease. The Sanitary Authority are too supine in dealing with this disease. It will never be eradicated by half and half measures or no measures at all.

The whole of the figures for the Sutton district are very unsatisfactory as I trust that this area may receive special consideration at your hands. The abolition of the privy-midden system in this district has not proceeded as fast as is necessary.

It may be pointed out that under the heading "Respiratory Death Rate" are included deaths from Bronchitis, Pneumonia, &c.

### INFANTILE MORTALITY.

|   |       |                            |     |
|---|-------|----------------------------|-----|
| Total number of deaths under one year of age in the Borough.... |       |                            | 112 |
| Death rate per 1,000 children born .....                        |       |                            | 149 |
| Ditto   | ditto | in England and Wales ..... | 128 |
| Ditto   | ditto | 76 Great Towns .....       | 140 |
| Ditto   | ditto | 141 Smaller Towns .....    | 132 |

It will at once be noticed that though there is a much needed improvement in this ominous death rate, we are still much above the general rate for England and Wales and in fact overtop the Infantile death rate for the 76 great towns. This is an unsatisfactory position.

In previous Reports this subject has been dealt with in considerable detail.

It will be seen from the next table that the loss of Infant life varies in the different districts, but that even in the lowest, the death rate of Infants is much higher than the general death rate of the community.

## DISTRICT INFANTILE MORTALITY RATE.

|                         | Per 1,000 Born. |        |      |  |
|-------------------------|-----------------|--------|------|--|
|                         | 1905            | 1904   | 1903 |  |
| West Macclesfield ..... | 168             | 173 .. | 110  |  |
| East Macclesfield ..... | 132 ..          | 190 .. | 170  |  |
| Sutton .....            | 129 ..          | 166 .. | 114  |  |

The death rate amongst infants has been lowered in a remarkable degree in the area where that improvement was most needed, and in seeking for the special factor which has brought about this result, I think we must attribute no small measure to the efforts of the Ladies' Public Health Society. This Society has directed its energies specially in the direction of East Macclesfield, and the Health visitor, Miss Brett, has devoted herself entirely to infant visiting in that portion of the Borough, and as the report shows, has had some 479 cases under her charge, and has paid some 3,943 visits. Such an amount of good work, systematically and thoroughly carried out, day by day, by a highly trained lady, cannot fail to do an immense valuable amount of good, and this year's results amply justify the expectations with which the Society started and should serve as a valuable stimulus to the members and supporters of the society and should merit the warmest support financial and otherwise of the Corporation of this Borough, upon whom legislation has imposed the duty of safeguarding the health of the inhabitants.

## PRINCIPAL CAUSES OF INFANTILE DEATHS.

|                                    | Deaths |    | Deaths |
|------------------------------------|--------|----|--------|
|                                    | 1905   |    | 1904   |
| Diarrhœa and allied Diseases ..... | 19     | .. | 15     |
| Convulsions .....                  | 6      | .. | 15     |
| Marasmus .....                     | 11     | .. | 18     |
| Tabes Mesenterica .....            | 2      | .. | 6      |
|                                    | —      |    | —      |
|                                    | 38     | .. | 54     |
|                                    | —      |    | —      |

It thus appears that in diseases of the organs of digestion, there has been a saving of 25 lives

## ZYMOTIC DISEASES.

|                      | 1905 |    | 1904 |
|----------------------|------|----|------|
| Measles .....        | 0    | .. | 11   |
| Whooping Cough ..... | 10   | .. | 6    |



## LUNG DISEASES.

|                  | 1905 | 1904 |
|------------------|------|------|
| Bronchitis ..... | 6 .. | 12   |
| Pneumonia .....  | 7 .. | 10   |

It will be noted that, excepting in the mortality from Whooping Cough, there has been a remarkable diminution in the numbers of deaths.

The Ladies Public Health Society is justly entitled to some share of the credit for the saving of life under this head, as they provide for the use of the infants woollen vests, macintosh bibs, &c., all of which tend to reduce the liability to cat rrhal conditions of the lungs and the consequent deaths from bronchitis &c.

Efforts have also been made to instruct mothers in the preparation of sound, cheap, nutritious foods and the Health visitor has given demonstrations thereon in the homes. This is most valuable work, for obviously unless the mother is properly fed on really nutritious food her attempts to feed her baby at the breast will be foredoomed to failure. The general statement that breast milk is the food for the infant postulates that the mother receives sufficient food to enable her to provide her infant with good milk. A badly fed, ill nourished mother cannot possibly produce nutritious milk, so that the feeding of the nursing mother is only second in importance to the feeding of the nursling.

## QUARTERLY INFANTILE MORTALITY.

|    |                            |    |    |           |        |
|----|----------------------------|----|----|-----------|--------|
| 1. | Quarter Ending March 31st. | 38 | .. | last year | ....35 |
| 2. | „ „ June 30th.             | 20 | .. | „ „       | ....15 |
| 3. | „ „ Sept. 30th.            | 32 | .. | „ „       | ....37 |
| 4. | „ „ Dec. 31st.             | 21 | .. | „ „       | ....53 |

The diminution is principally during the last two quarters of the year.

## AGE AT DEATH OF INFANTS.

Of the 112 infants under 1 year of age who have died during the year 81 were under six months of age.

These figures amply confirm the results of some enquiries I made two years ago, and the conclusion to which I came was that under three months of age the proportion of deaths of artificially fed children was fifteen times as great as amongst breast fed infants. Year after year the same results have occurred.

Broadly speaking the distinction would appear to be in the amount of knowledge and intelligence, attention and care which the mother is able and willing to bestow upon her offspring, clearly, if the mother is drunken either usually or even occasionally, the prospects of life for the infant are small. If she is exceptionally lacking in intelligence or is dirty and indolent or reduced in circumstances to very extreme poverty, the prospects of rearing the infant are lessened; but while these extreme cases are happily rare it does seem that want of knowledge, or want of intelligence are most commonly met with.

### NEED FOR EARLIER REGISTRATION.

In order that preventive measures may be taken to save the infant life, it is necessary to have early information of births; but the law at present does not exact registration till the forty-second day. Now, we know that the heaviest mortality takes place in the first day, first week, first month and first year of life. In too many instances the death is registered at the same time as the birth. It is of great importance that earlier information should be given of the child's birth and for this purpose efforts have been made to get the local midwives to supply the information, but with only a moderate degree of success.

Showing rate of mortality among infants under one year of age to 1,000 registered births apportioned to the different districts compared with the corresponding figures for the last fifteen years.

| Districts.           | 1888 | 1889 | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896  | 1897 | Average<br>for<br>10 years | 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 |
|----------------------|------|------|------|------|------|------|------|------|-------|------|----------------------------|------|------|------|------|------|------|------|------|
| West Macclesfield .. | 118  | 180  | 143  | 136  | 192  | 170  | 110  | 310  | 138   | 152  | 155                        | 189  | 223  | 167  | 186  | 111  | 110  | 173  | 168  |
| East Macclesfield .. | 171  | 255  | 219  | 161  | 215  | 225  | 137  | 210  | } 180 |      |                            |      |      |      |      |      |      |      |      |
| Hurdsfield .....     | 87   | 169  | 160  | 127  | 177  | 153  | 156  | 170  | 148   | 187  | 195                        | 159  | 167  | 242  | 155  | 103  | 170  | 190  | 132  |
| Sutton .....         | 148  | 212  | 124  | 108  | 235  | 191  | 126  | 212  | 148   | 212  | 167                        | 135  | 187  | 142  | 219  | 65   | 114  | 166  | 129  |
| The whole Borough    | 135  | 220  | 172  | 130  | 203  | 190  | 134  | 247  | 155   | 175  | 172                        | 174  | 196  | 190  | 180  | 102  | 134  | 178  | 149  |
| 76 Great Towns ..    | ..   | ..   | ..   | ..   | ..   | ..   | ..   | ..   | ..    | ..   | ..                         | ..   | ..   | 173  | 165  | 145  | 144  | 160  | 140  |
| England .....        | 136  | 144  | 151  | 149  | 148  | 159  | 137  | 161  | 148   | 156  | 161                        | 163  | 154  | 154  | 151  | 133  | 132  | 146  | 128  |

11

1

99



- (1) Provision should be made for advanced cases of Phthisis being received in a special hospital or sanatorium. This is a very urgent need in cases where the consumptive lives in a crowded home. In these advanced cases the amount of infectious material coughed up and spat out is enormous, and there is usually a terrible accumulation of infectious material in the small houses of poor people.
- (2) More efforts should be made to instruct people as to the way in which consumption is spread, and for this purpose more careful supervision should be exercised over persons known to be consumptive.
- (3) Additional attention is required in public-houses and other places where spitting takes place.
- (4) More thorough cleansing and disinfecting of houses and rooms inhabited by consumptives.
- (5) More attention should be given to workshops in connection with the habit of spitting.

### THE ZYMOTIC DISEASES.

The seven principal Zymotic Diseases are :—

- (1) Smallpox.
- (2) Measles.
- (3) Scarlet Fever.
- (4) Whooping-Cough.
- (5) Diphtheria.
- (6) Fevers—Typhoid and Typhus.
- (7) Zymotic Diarrhoea.

The total number of deaths from these diseases in the Borough during the year was 56.

|  |     |
|--|-----|
| Zymotic death rate per 1,000 of population ..... | 1.6 |
| „ „ „ in England and Wales .....                 | 1.5 |
| „ „ „ „ 76 Great Towns .....                     | 1.8 |
| „ „ „ „ 141 Smaller Towns.....                   | 1.5 |
| „ „ „ „ last year—The Borough .....              | 2.3 |

The following table shows the deaths attributed to these diseases during the year compared with last year.



|                        | 1905  | 1904 |
|------------------------|-------|------|
| Smallpox .....         | 1 ..  | 3    |
| Measles .....          | 1 ..  | 36   |
| Scarlet Fever .....    | 7 ..  | 10   |
| Diphtheria .....       | 6 ..  | 12   |
| Whooping Cough .....   | 18 .. | 13   |
| Typhoid Fever .....    | 0 ..  | 12   |
| Zymotic Diarrhœa ..... | 23 .. | 24   |
|                        | —     | —    |
|                        | 56 .. | 80   |
|                        | —     | —    |

| Years. | Death rate from<br>the Seven<br>Zymotic Diseases. |       | Death rate from<br>the Seven<br>Zymotic Diseases. |
|--------|---|-------|---|
| 1874   | 2.5   | 1890  | 1.4   |
| 1875   | 2.4   | 1891  | 1.1   |
| 1876   | 6.0   | 1892  | 1.1   |
| 1877   | 2.1   | 1893  | 1.6   |
| 1878   | 2.3   | 1894  | 1.9   |
| 1879   | 1.7   | 1895  | 3.1   |
| 1880   | 1.1   | 1896  | 3.2   |
| 1881   | 3.4   | 1897  | 3.2   |
| A1882  | 3.0   | 1898  | 1.8   |
| 1883   | 2.3   | 1899  | 2.6   |
| 1884   | 2.2   | 1900  | 1.8   |
| 1885   | 0.8   | 1901  | 1.6   |
| 1886   | 1.9   | C1902 | 0.3   |
| 1887   | 3.2   | 1903  | 0.9   |
| B1888  | 1.4   | 1904  | 2.3   |
| 1889   | 3.0   | 1905  | 1.6   |

A—Compulsory Notification came into force.

B—Isolation Hospital Opened.

C—Isolation Hospital Enlarged and Improved.

The diminution in the Zymotic death rate is due to the passing of the **Measles** scourge. So long as young children under five years of age are permitted to herd together in our Public Elementary Schools so long shall we continue to pay for this Educational boon in a heavy toll of infant lives and we may expect another epidemic in 3 or 4 years when more victims will have grown up to a susceptible age.

**Whooping Cough** which usually follows on Measles has caused 18 deaths.

**Diarrhœa** still accounts for far too many lives and indicates that gross sanitary defects still remain unremedied.

#### DISTRICT ZYMOTIC DEATH RATE.

|  | West<br>Macclesfield. |    | East<br>Macclesfield. |    | Sutton. |
|--|-----------------------|----|-----------------------|----|---------|
| Smallpox .....                                     | 0                     | .. | 0                     | .. | 1       |
| Measles .....                                      | 1                     | .. | 0                     | .. | 0       |
| Scarlet Fever .....                                | 4                     | .. | 3                     | .. | 0       |
| Diphtheria .....                                   | 4                     | .. | 1                     | .. | 1       |
| Whooping Cough .....                               | 10                    | .. | 6                     | .. | 2       |
| Enteric Fever .....                                | 0                     | .. | 0                     | .. | 0       |
| Diarrhœa .....                                     | 7                     | .. | 11                    | .. | 4       |
| Totals .....                                       | 26                    | .. | 21                    | .. | 8       |
| Zymotic death rate per<br>1,000 of population .... | 1.5                   | .. | 1.6                   | .. | 1.6     |
| Last year .....                                    | 2.0                   | .. | 2.0                   | .. | 1.6     |

East Macclesfield **as usual** maintains its high death rate from diarrhœa.

#### QUARTERLY ZYMOTIC DEATH RATE.

|                        | 1st<br>Quarter |    | 2nd<br>Quarter |    | 3rd<br>Quarter |    | 4th<br>Quarter |
|------------------------|----------------|----|----------------|----|----------------|----|----------------|
| West Macclesfield ..   | 10             | .. | 1              | .. | 5              | .. | 10             |
| East Macclesfield .... | 7              | .. | 3              | .. | 10             | .. | 1              |
| Sutton .....           | 4              | .. | 0              | .. | 4              | .. | 0              |
| Totals .....           | 21             | .. | 5              | .. | 19             | .. | 11             |

The deaths during the first quarter are mainly due to Whooping Cough. Viz:—15 out of the total 21 and during the third quarter to Diarrhœa, Viz:—17 out of the total 19 and of these more than half occurred in East Macclesfield.

Three out of the ten deaths occurring during the fourth quarter in West Macclesfield were due to Scarlet Fever, which about this time was beginning to spread in an alarming fashion.

## DIARRHŒA. .

|   |    |
|---|----|
| Number of deaths from Zymotic Diarrhoea . . . . . | 22 |
| " " " " " " last year . . . .                     | 24 |
| 15 were under 1 year of age.                      |    |
| 5 " " 5 years "                                   |    |
| 2 " over 65 " "                                   |    |

The chief fatal incidence of this form of Diarrhœa falls upon those who are at the two extremes of life, young children and old people.

Investigation proves incontestably that the deaths of infants from this cause are closely associated with the method of feeding, putrefying food being the medium by which the specific poison is commonly introduced. The deaths amongst children under three months of age, either wholly or partially fed on artificial foods, are fifteen times as great as they are amongst an equal number of infants fed upon breast milk ; e.g., investigation has tended to prove that, out of every 1,000 infants under three months of age, naturally fed upon breast milk alone, 20 die of autumnal choleraic disease ; but if the same number of infants, at the same age, are artificially fed, then, instead of 20 dying, as many as 300 will die from this cause. It is mainly with a view to meet this that sterilized milk depots have been established.

There is one other important matter to which reference must be made, and that is the actual nature of this choleraic diarrhœa in infants. The reasons for regarding it as being caused by a specific communicable poison are its recurrence under definite conditions, and its unquestionable capability of communicability from infant to infant, and indeed to other persons in the same household ; these observations are so constant and so common as to leave no doubt upon the question.

## DISTRICT DIARRHŒA DEATH RATES.

| Quarter ending            | Mar. | June. | Sept. | Dec. | Total |
|---------------------------|------|-------|-------|------|-------|
| West Macclesfield . . . . | 0 .. | 0 ..  | 4 ..  | 3 .. | 7     |
| East Macclesfield . . . . | 0 .. | 1 ..  | 9 ..  | 1 .. | 11    |
| Sutton . . . . .          | 0 .. | 0 ..  | 4 ..  | 0 .. | 4     |
| Totals . . . . .          | 0 .. | 1 ..  | 17 .. | 4 .. | 22    |
| Last year . . . . .       | 1 .. | 1 ..  | 15 .. | 7 .. | 24    |



In my Annual Report for last year, I set out at full length some steps which it is the duty of the Sanitary Authority to take to check this evil. I refer them to pages 44 and 45 of that Report.

MEASLES.

|   |    |
|---|----|
| Number of deaths from Measles .....           | 1  |
| "    "    "    "    "    "    last year ..... | 36 |

The one death occurred in a child under five years of age in West Macclesfield.

Last year I discussed in my Annual Report very fully the causes of spread, and the methods of preventing the spread of this disease and I do not propose to again enter into the question. I can only add that extended experience has but the more fully convinced me that all I wrote on pages 46 and 47 of last year's Report is fully justified.

WHOOPIING COUGH.

Number of deaths from Whooping Cough :— 18

| Quarter<br>Age Periods    | 1st            |           | 2nd            |           | 3rd            |           | 4th            |           | Total |
|---------------------------|----------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|-------|
|                           | Under<br>1 yr. | 1 to<br>5 | Under<br>1 yr. | 1 to<br>5 | Under<br>1 yr. | 1 to<br>5 | Under<br>1 yr. | 1 to<br>5 |       |
| West Macclesfield . . . . | 5              | 2         | 1              | 0         | 0              | 0         | 1              | 1         | 10    |
| East Macclesfield . . . . | 2              | 4         | 0              | 0         | 0              | 0         | 0              | 0         | 6     |
| Sutton . . . . .          | 1              | 1         | 0              | 0         | 0              | 0         | 0              | 0         | 2     |
| Totals . . . . .          | 8              | 7         | 1              | 0         | 0              | 0         | 1              | 1         | 18    |

Last year 13 deaths were returned as being due to this disease and as this year's figures show it has again been very prevalent, particularly in West Macclesfield. It is one of the most distressing and powerful causes of death in very early life, everyone of the 18 deaths have occurred in children under 5 years of age, 10 being under one year.

Notwithstanding the difficulties in the way, some means of isolation will have to be found for the infected children, and some lessening of this disease may then be expected with confidence. Experience has repeatedly shown that the introduction of a case of whooping-cough into a court has resulted in the infection of practically the whole of the infant population in the court,

CANCER.

|                                 |           |    |
|---------------------------------|-----------|----|
| Number of deaths from Cancer in | 1905..... | 53 |
| "    "    "    "    "    "    " | 1904..... | 37 |
| "    "    "    "    "    "    " | 1903..... | 36 |
| "    "    "    "    "    "    " | 1902..... | 29 |

| Quarters<br><br>Age Periods | 1st |      | 2nd |      | 3rd |      | 4th |      | Totals |
|-----------------------------|-----|------|-----|------|-----|------|-----|------|--------|
|                             | 25  | over | 25  | over | 25  | over | 25  | over |        |
|                             | to  | 65   | to  | 65   | to  | 65   | to  | 65   |        |
| West Macclesfield ..        | 4   | 4    | 3   | 1    | 4   | 4    | 5   | 3    | 28     |
| East Macclesfield ..        | 1   | 0    | 6   | 0    | 4   | 2    | 3   | 1    | 17     |
| Sutton .....                | 1   | 1    | 0   | 1    | 1   | 0    | 3   | 1    | 8      |
| Totals .....                | 6   | 5    | 9   | 2    | 9   | 6    | 11  | 5    | 53     |

DISTRICT CANCER DEATH RATES PER 1,000 OF INHABITANTS.

|              |     |
|--------------|-----|
| West .....   | 1.5 |
| East .....   | 1.3 |
| Sutton ..... | 1.6 |

Part of this alarming increase is probably only apparent and is due to more correct certification. The deaths from "Tumour" and "ill defined diseases" have declined and some of these have gone to swell the cancer figures. The Registrar General points out that of all persons who reach the age of 35 years, 1 in every 21 men and 1 in every 12 women eventually die of cancer. There is however no doubt but that the cancer death rate of men has in recent years increased more rapidly than that of women.

SCHOOL HYGIENE AND SCHOOL CLOSURE.

About the middle of November, Scarlet Fever became epidemic and particularly attacked the Scholars of Duke Street School, so that it was deemed advisable to close the School for 14 days from November 26th. As the disease continued to spread and several schools were attacked it was decided to close the whole of the Public Elementary



Schools in the Borough from December 8th, till after the Christmas holidays. Broken Cross school which was outside the zone of infection was excluded. In addition the Sunday School authorities were requested to assist the Health Committee by closing the Sunday Schools for all scholars under 14 years of age. The result was a marked diminution in the number of cases notified. In several cases on my visiting the schools, I found children attending whose hands and feet were "peeling" freely, from whom I got a clear history of having been ill at home for a few days about a fortnight previously to my seeing them.

Scarlet Fever is nowadays in so many cases such a mild disease that it passes recognition and no doctor is called in, the child is sick, has a sore throat, for a few days is a little feverish and after the lapse of about a week is back in school again a little paler and washed out looking and spreading the disease broad cast, perhaps to a child who will develop it in a severe and fatal form. It rests with the teachers to recognise these cases and to promptly seek medical assistance. The Medical Officer of Health is always willing and anxious to help any teacher by advice on these cases and there is no excuse for not calling in his help before the disease has attacked half the school.

I am strongly of opinion that **all** the teachers should have a course of demonstrations on the signs and symptoms of the infectious diseases, so that they may recognise them at the outset. Periodical medical inspections at least once a quarter of all the schools would do much to check the spread of disease and save many childrens lives.

### SCHOOL ATTENDANCE OF INFANTS

In September a meeting of a Sub-Committee of the Education Committee was held to consider what position the Educational Authority of this Borough were going to take up on this vitally important question and finally the following resolution was arrived at :—

That it be an instruction from this Local Education Authority to the Managers of all Public Elementary Schools that after the 30th September Instant they are not to admit any child who is under Four years of age, and that the children who are now under that age and whose names are on the School Registers, are not to be excluded.

So far this is satisfactory from a public health point of view, but it seems a pity that whilst the authority were acting, they did not carry the matter a step further and exclude **all** children under **five** years of age.

As things now are it is to be feared that the children at ages 4 to 5 will still continue to suffer from Measles, &c as before, and carry the infection home to their younger brothers and sisters.

## THE NOTIFIABLE INFECTIOUS DISEASES.

### THE INFECTIOUS DISEASE (NOTIFICATION) ACT, 1889.

The Act requires that cases of smallpox, cholera, diphtheria, membranous croup, erysipelas, scarlet fever or scarlatina, typhoid or enteric fever, typhus fever, relapsing, continued and puerperal fever shall be notified to the Medical Officer of Health :

(1) By the head of the household to which the patient belongs, or in default any person in charge of or in attendance on the sufferer.

(2) Every medical practitioner attending on or called in to visit the patient shall forthwith, on becoming aware that such patient is suffering from an infectious disease to which this Act applies, send a certificate to the Medical Officer of Health.

### NOTIFICATIONS IN MACCLESFIELD.

Year ending December, 1905.

| Diseases.        | Under  |     |      |       |       | Over |     | Total. |
|------------------|--------|-----|------|-------|-------|------|-----|--------|
|                  | 1 year | 1-5 | 5-15 | 15-25 | 25-65 | 65   |     |        |
| Smallpox         | 0      | 0   | 0    | 1     | 4     | 1    | 6   |        |
| Scarlatina       | 0      | 33  | 65   | 2     | 3     | 0    | 03  |        |
| Diphtheria       | 0      | 11  | 1    | 0     | 0     | 0    | 12  |        |
| Membranous Croup | 0      | 2   | 0    | 0     | 0     | 0    | 2   |        |
| Typhoid Fever    | 0      | 0   | 4    | 5     | 4     | 0    | 13  |        |
| Puerperal Fever  | 0      | 0   | 0    | 1     | 4     | 0    | 5   |        |
| Erysipelas       | 1      | 0   | 3    | 1     | 22    | 9    | 36  |        |
| Totals           | 1      | 46  | 73   | 10    | 37    | 10   | 177 |        |

## NOTIFICATIONS IN MACCLESFIELD.

Year ending December, 1904.

---

| Diseases.             | Under<br>1 year | 1-5   | 5-15  | 15-25 | 25-65 | Over<br>65 | Total. |
|-----------------------|-----------------|-------|-------|-------|-------|------------|--------|
| Smallpox .....        | 3 ..            | 1 ..  | 3 ..  | 9 ..  | 35 .. | 0 ..       | 49     |
| Scarlatina .....      | 1 ..            | 17 .. | 34 .. | 3 ..  | 1 ..  | 0 ..       | 56     |
| Diphtheria .....      | 0 ..            | 1 ..  | 2 ..  | 3 ..  | 1 ..  | 0 ..       | 7      |
| Membranous Croup .... | 0 ..            | 1 ..  | 0 ..  | 0 ..  | 0 ..  | 0 ..       | 1      |
| Typhoid Fever .....   | 0 ..            | 0 ..  | 3 ..  | 1 ..  | 8 ..  | 0 ..       | 12     |
| Puerperal Fever ..... | 0 ..            | 0 ..  | 0 ..  | 1 ..  | 3 ..  | 0 ..       | 4      |
| Erysipelas .....      | 2 ..            | 0 ..  | 9 ..  | 5 ..  | 29 .. | 2 ..       | 47     |
| Totals .....          | 4 ..            | 20 .. | 51 .. | 22 .. | 77 .. | 2 ..       | 176    |

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Scarlet Fever shows a marked increase.

Diphtheria has also almost doubled in numbers.

## NOTIFICATION BY MEDICAL CERTIFICATES SINCE 1886.

|      | Smallpox.  | Scarlatina. | Diphtheria. | Membranous<br>Croup. | Typhus Fever. | Typhoid Fever. | Continued Fever. | Puerperal Fever. | Totals. |
|------|------------|-------------|-------------|----------------------|---------------|----------------|------------------|------------------|---------|
| 1886 | .... — ..  | 42 ..       | 2 ..        | — ..                 | 2 ..          | 19 ..          | 1 ..             | — ..             | 66      |
| 1887 | .... — ..  | 649 ..      | 8 ..        | — ..                 | — ..          | 44 ..          | 8 ..             | 2 ..             | 711     |
| 1888 | .... 9 ..  | 208 ..      | 2 ..        | — ..                 | 1 ..          | 19 ..          | 10 ..            | 2 ..             | 153     |
| 1889 | .... — ..  | 144 ..      | — ..        | — ..                 | — ..          | 17 ..          | 12 ..            | — ..             | 173     |
| 1890 | .... — ..  | 98 ..       | — ..        | — ..                 | — ..          | 7 ..           | 2 ..             | 2 ..             | 109     |
| 1891 | .... — ..  | 38 ..       | 2 ..        | — ..                 | — ..          | 14 ..          | 1 ..             | 1 ..             | 56      |
| 1892 | .... 1 ..  | 51 ..       | 2 ..        | — ..                 | — ..          | 14 ..          | 3 ..             | — ..             | 71      |
| 1893 | .... 6 ..  | 250 ..      | 5 ..        | — ..                 | — ..          | 13 ..          | 2 ..             | — ..             | 277     |
| 1894 | .... 4 ..  | 42 ..       | 5 ..        | 1 ..                 | — ..          | 17 ..          | 2 ..             | 6 ..             | 80      |
| 1895 | .... — ..  | 31 ..       | 117 ..      | 22 ..                | — ..          | 29 ..          | — ..             | 1 ..             | 178     |
| 1896 | .... — ..  | 28 ..       | 227 ..      | — ..                 | — ..          | 22 ..          | — ..             | 2 ..             | 280     |
| 1897 | .... — ..  | 62 ..       | 36 ..       | 1 ..                 | — ..          | 36 ..          | — ..             | 1 ..             | 135     |
| 1898 | .... — ..  | 287 ..      | 20 ..       | — ..                 | — ..          | 46 ..          | — ..             | — ..             | 353     |
| 1899 | .... — ..  | 303 ..      | 14 ..       | — ..                 | — ..          | 35 ..          | — ..             | 1 ..             | 351     |
| 1900 | .... 1 ..  | 50 ..       | 16 ..       | — ..                 | — ..          | 62 ..          | — ..             | 1 ..             | 156     |
| 1901 | .... 1 ..  | 28 ..       | 24 ..       | — ..                 | — ..          | 20 ..          | — ..             | 1 ..             | 73      |
| 1902 | .... — ..  | 126 ..      | 12 ..       | 2 ..                 | — ..          | 26 ..          | — ..             | 5 ..             | 196     |
| 1903 | .... 20 .. | 141 ..      | 20 ..       | — ..                 | — ..          | 21 ..          | — ..             | 4 ..             | 282     |
| 1904 | .... 49 .. | 56 ..       | 7 ..        | 1 ..                 | — ..          | 12 ..          | — ..             | 4 ..             | 176     |
| 1905 | .... 6 ..  | 103 ..      | 12 ..       | 2 ..                 | — ..          | 13 ..          | — ..             | 5 ..             | 177     |



## DISTRICT NOTIFICATIONS.

|  | West<br>Macclesfield |    | East<br>Macclesfield |    | Sutton |
|--|----------------------|----|----------------------|----|--------|
| Smallpox .....                                     | 1                    | .. | 2                    | .. | 3      |
| Diphtheria .....                                   | 9                    | .. | 2                    | .. | 1      |
| Membranous Croup .....                             | 1                    | .. | 0                    | .. | 1      |
| Erysipelas .....                                   | 22                   | .. | 8                    | .. | 6      |
| Scarlet Fever .....                                | 74                   | .. | 16                   | .. | 13     |
| Enteric Fever .....                                | 7                    | .. | 5                    | .. | 1      |
| Puerperal Fever .....                              | 5                    | .. | 0                    | .. | 0      |
| Totals .....                                       | 119                  | .. | 33                   | .. | 25     |
| Notification rate per 1,000 of<br>population ..... | 6.8                  | .. | 2.6                  | .. | 5.0    |
| Last year .....                                    | 4.3                  | .. | 5.0                  | .. | 7.0    |

## QUARTERLY NOTIFICATIONS.

## NOTIFICATIONS.

For Quarter ending March 31st, 1905.

| Diseases.             | Under<br>1 year | 1-5  | 5-15 | 15-25 | 25-65 | Over<br>65 | Total. |
|-----------------------|-----------------|------|------|-------|-------|------------|--------|
| Smallpox .....        | 0 ..            | 0 .. | 0 .. | 1 ..  | 3 ..  | 1 ..       | 5      |
| Scarlatina .....      | 0 ..            | 5 .. | 6 .. | 0 ..  | 1 ..  | 0 ..       | 12     |
| Diphtheria .....      | 0 ..            | 2 .. | 0 .. | 0 ..  | 0 ..  | 0 ..       | 2      |
| Membranous Croup .... | 0 ..            | 1 .. | 0 .. | 0 ..  | 0 ..  | 0 ..       | 1      |
| Typhoid Fever .....   | 0 ..            | 0 .. | 1 .. | 1 ..  | 1 ..  | 0 ..       | 3      |
| Puerperal Fever ..... | 0 ..            | 0 .. | 0 .. | 0 ..  | 1 ..  | 0 ..       | 1      |
| Erysipelas .....      | 1 ..            | 0 .. | 2 .. | 0 ..  | 6 ..  | 4 ..       | 13     |
| Totals .....          | 1 ..            | 8 .. | 9 .. | 2 ..  | 12 .. | 5 ..       | 37     |



## NOTIFICATIONS.

For Quarter ending June 30th, 1905.

| Diseases.             | Under<br>1 year | 1-5  | 5-15 | 15-25 | 25-65 | Over<br>65 | Total. |
|-----------------------|-----------------|------|------|-------|-------|------------|--------|
| Smallpox .....        | 0 ..            | 0 .. | 0 .. | 0 ..  | 1 ..  | 0 ..       | 1      |
| Scarlatina .....      | 0 ..            | 3 .. | 3 .. | 0 ..  | 0 ..  | 0 ..       | 6      |
| Diphtheria .....      | 0 ..            | 2 .. | 0 .. | 0 ..  | 0 ..  | 0 ..       | 2      |
| Membranous Croup .... | 0 ..            | 1 .. | 0 .. | 0 ..  | 0 ..  | 0 ..       | 1      |
| Typhoid Fever .....   | 0 ..            | 0 .. | 0 .. | 2 ..  | 0 ..  | 0 ..       | 2      |
| Puerperal Fever ..... | 0 ..            | 0 .. | 0 .. | 1 ..  | 1 ..  | 0 ..       | 2      |
| Erysipelas .....      | 0 ..            | 0 .. | 0 .. | 0 ..  | 8 ..  | 1 ..       | 9      |
| Totals .....          | 0 ..            | 6 .. | 3 .. | 3 ..  | 10 .. | 1 ..       | 23     |

## NOTIFICATIONS.

For Quarter ending September, 30th 1905.

| Diseases.             | Under<br>1 year | 1-5  | 5-15  | 15-25 | 25-65 | Over<br>65 | Total. |
|-----------------------|-----------------|------|-------|-------|-------|------------|--------|
| Scarlatina .....      | 0 ..            | 2 .. | 9 ..  | 0 ..  | 1 ..  | 0 ..       | 12     |
| Diphtheria .....      | 0 ..            | 3 .. | 0 ..  | 0 ..  | 0 ..  | 0 ..       | 3      |
| Typhoid Fever .....   | 0 ..            | 0 .. | 2 ..  | 0 ..  | 2 ..  | 0 ..       | 4      |
| Puerperal Fever ..... | 0 ..            | 0 .. | 0 ..  | 0 ..  | 1 ..  | 0 ..       | 1      |
| Erysipelas .....      | 0 ..            | 0 .. | 1 ..  | 0 ..  | 6 ..  | 3 ..       | 10     |
| Totals .....          | 0 ..            | 5 .. | 12 .. | 0 ..  | 8 ..  | 3 ..       | 30     |

## NOTIFICATIONS.

For Quarter ending December 31st, 1905.

| Diseases.             | Under<br>1 year | 1-5   | 5-15  | 15-25 | 25-65 | Over<br>65 | Total. |
|-----------------------|-----------------|-------|-------|-------|-------|------------|--------|
| Scarlatina .....      | 0 ..            | 23 .. | 47 .. | 2 ..  | 1 ..  | 0 ..       | 73     |
| Diphtheria .....      | 0 ..            | 4 ..  | 1 ..  | 0 ..  | 0 ..  | 0 ..       | 5      |
| Typhoid Fever .....   | 0 ..            | 0 ..  | 1 ..  | 2 ..  | 1 ..  | 0 ..       | 4      |
| Puerperal Fever ..... | 0 ..            | 0 ..  | 0 ..  | 0 ..  | 1 ..  | 0 ..       | 1      |
| Erysipelas .....      | 0 ..            | 0 ..  | 0 ..  | 1 ..  | 2 ..  | 1 ..       | 4      |
| Totals .....          | 0 ..            | 27 .. | 49 .. | 5 ..  | 5 ..  | 1 ..       | 87     |

## SMALLPOX.

|  |   |
|--|---|
| Number of cases notified               | 6 |
| ,,    ,, deaths                        | 1 |
| 1 Case occurred in West Macclesfield.  |   |
| 2 Cases occurred in East Macclesfield. |   |
| 3   ,,          ,,          ,, Sutton. |   |

5 cases occurred during the first quarter of the year and 1 during the second quarter.

1 Case occurred in a person over 20 years of age.

4 cases occurred in persons between 25 and 65.

1 case (fatal) occurred in a person over 65 years of age.

Five of the six cases represent the last of the epidemic which was declining at the end of the year 1904.

Three out of the six cases were infected from a young woman who was certified to be suffering from "Chicken-pox." One of these three was a fatal case.

Another of the cases was probably infected from a mild case in which no doctor had ever been called in and the fifth case could not be traced to any definite source.

A sporadic case of smallpox in a modified form was notified in a gas worker on May 15th. The case was seen early on by a doctor who promptly notified and the patient was at once removed to hospital. Revaccination of all susceptible persons in the household was performed and disinfection of the house, &c., carefully carried out, with the happy result that no further case occurred.

The case concluded a series of two epidemics and having had to deal personally and closely with every patient and having investigated all the circumstances which have determined the spread of infection, I must record one or two convictions which have been firmly fixed in my mind.

(1) That recent successful vaccination is an absolute preventive of smallpox.

(2) That prompt isolation of the sufferer and early diagnosis is highly essential in a community only partially protected against smallpox.

### SCARLET FEVER.

|  |      |
|--|------|
| Number of cases notified .....                         | 103  |
| "    "    "    "    last year .....                    | 141  |
| "    "    deaths from Scarlet Fever .....              | 6    |
| "    "    "    "    "    "    last year .....          | 0    |
| "    "    cases removed to Hospital .....              | 73   |
| Percentage of cases notified removed to Hospital ..... | 71.8 |

Districts from which cases were removed :—

|                         |    |
|-------------------------|----|
| West Macclesfield ..... | 56 |
| East Macclesfield ..... | 9  |
| Sutton .....            | 8  |

12 cases were notified during the 1st Quarter.

|    |   |   |   |   |   |     |   |
|----|---|---|---|---|---|-----|---|
| 6  | " | " | " | " | " | 2nd | " |
| 12 | " | " | " | " | " | 3rd | " |
| 73 | " | " | " | " | " | 4th | " |

The cases occurred in the following districts :—

|                         |    |
|-------------------------|----|
| West Macclesfield ..... | 74 |
| East Macclesfield ..... | 16 |
| Sutton .....            | 13 |

98 of the cases occurred in children under 15 years of age.

The public appreciation of the value of Isolation is well established in that 71.8 per cent of the cases were removed to hospital.

The following table shows the notifications and deaths from Scarlet Fever since 1889 :—

| Year.      | Number<br>Notified | Number<br>Died. | Number<br>removed<br>to Hospital. | Fatality<br>per cent. |
|------------|--------------------|-----------------|-----------------------------------|-----------------------|
| 1899 ..... | 303                | 9               | 46                                | 2.9                   |
| 1900 ..... | 50                 | 1               | 19                                | 2.0                   |
| 1901 ..... | 28                 | 0               | 16                                | 0                     |
| 1902 ..... | 125                | 1               | 96                                | 0.8                   |
| 1903 ..... | 141                | 9               | 101                               | 6.3                   |
| 1904 ..... | 46                 | 0               | 29                                | 0.8                   |
| 1905 ..... | 103                | 6               | 73                                | 5.8                   |
| Totals ..  | 796                | 26              | 380                               | 3.3                   |

### SANITATION OF SCARLET FEVER HOUSES.

27 cases occurred in houses with clean water closets.

6 „ „ „ „ „ waste water closets,

70 „ „ „ „ „ privy midden closets.

Of these :

3 were wet and offensive.

4 „ defective and offensive.

26 „ offensive.

Four lots of drains were defective, One water closet was in bad condition, and in three houses the means of ventilation were defective. Two cases occurred in the same house in 7 instances, Three cases in 5 instances, and four cases in 1 instance.



## SCHOOLS AND SCARLET FEVER.

80 Cases of Scarlet Fever occurred in children attending the various schools, these were distributed as follows:—

|  | January, | February, | March, | April, | May, | June, | July, | August, | September, | October, | November, | December, | Total. |
|--|----------|-----------|--------|--------|------|-------|-------|---------|------------|----------|-----------|-----------|--------|
| Total number of cases notified . . . . | 5        | 1         | 6      | 1      | 5    | 0     | 3     | 3       | 6          | 17       | 30        | 28        | 103    |
| Number attending Beech Lane . . . . .  |          |           | 1      |        |      |       | 1     |         |            |          |           | 1         | 2      |
| " Centenary . . . . .                  |          |           |        |        |      |       |       |         |            |          |           |           | 1      |
| " Christ Church . . . . .              |          |           |        |        |      |       |       | 2       | 2          | 3        | 6         | 2         | 15     |
| " Crompton Road . . . . .              |          |           |        | 1      | 1    |       |       | 1       |            |          | 2         | 2         | 7      |
| " Mill Street . . . . .                |          |           | 1      |        |      |       |       |         |            | 1        |           | 4         | 6      |
| " National . . . . .                   |          |           |        |        | 1    |       |       |         | 2          | 5        | 5         | 2         | 15     |
| " St. Albans . . . . .                 | 1        |           |        |        |      |       |       |         |            |          | 1         | 6         | 8      |
| " St. George's . . . . .               |          |           |        |        |      |       | 1     |         |            |          | 1         | 4         | 6      |
| " St. George's Brch. . . . .           |          | 1         |        |        |      |       |       |         |            |          |           |           | 1      |
| " St. John's . . . . .                 |          |           |        |        |      |       |       |         |            |          |           | 1         | 1      |
| " St. Paul's . . . . .                 |          |           | 1      |        |      |       |       |         |            |          | 1         |           | 2      |
| " Lord Street . . . . .                | 1        |           |        |        |      |       |       |         |            | 4        | 4         | 3         | 12     |
| " Hr. Hurdsfield . . . . .             |          |           |        |        |      |       | 1     |         |            |          |           |           | 1      |
| " Lr. Hurdsfield . . . . .             | 1        |           |        |        |      |       |       |         |            |          |           |           | 1      |
| " Private Schools . . . . .            | 1        |           |        |        |      |       |       |         |            |          | 1         |           | 2      |
| Totals . . . . .                       | 4        | 1         | 3      | 1      | 2    | 0     | 3     | 3       | 4          | 13       | 21        | 25        | 80     |



I am yearly more impressed with the value of segregation of scarlet fever cases in a special hospital as a means of preventing the disease spreading, but naturally this postulates that all the cases capable of spreading the disease to any considerable extent should be isolated. Where hospital isolation has failed to check the spread of scarlet fever it is, I believe, because it has not been properly carried out. The prompt removal of the first cases, and careful disinfection of building, rooms, etc., is of much greater value than wholesale removal to hospital when the disease has got a firm hold in several quarters of the town. This can only be accomplished by the medical practitioners' ability to promptly recognise the disease, and as promptly to notify; 48 hours' delay, and the visits of a few sympathetic neighbours, may spread the disease broadcast.

Untraced cases of scarlet fever have been shown to have a closer connection with defective closets than the other common zymotic diseases except, perhaps, enteric. The urine in scarlet fever probably contains the specific organism from a comparatively early period, and the processes of cleansing privy closets as well as their frequent defects offer special facilities for the spread of scarlet fever by these means, especially in confined back areas.

#### DIPHTHERIA AND MEMBRANOUS CROUP.

|   |    |
|---|----|
| Number of cases notified .....            | 14 |
| "    "    "    "    last year.....        | 8  |
| "    "    deaths    "    .....            | 6  |
| "    "    "    "    last year .....       | 2  |
| Number of cases removed to Hospital ..... | 3  |

9 cases occurred in West Macclesfield.

2 " " " East Macclesfield.

1 " " " Sutton.

#### SANITARY CONDITION OF THE HOUSES.

5 cases occurred in houses with clean water closets.

1 case " " house " waste water closet.

8 cases " " houses " privy middens.

Of these —3 were wet and offensive or defective.

3 were offensive.

The drains were defective in one case, and the house was overcrowded in another.

The term membranous croup should be omitted from the last of notifiable diseases; probably all cases of membranous croup are really diphtheria; and it would be well that they should be called by that name; it is impossible clinically to distinguish between membranous croup and diphtheria.

#### DIPHTHERIA AND MEMBRANOUS CROUP SINCE 1899.

| Year.      | Number<br>Notified. |    | Number<br>Died. |    | No removed<br>to Hospital. |    | Fatality<br>per cent. |
|------------|---------------------|----|-----------------|----|----------------------------|----|-----------------------|
| 1899 ..... | 14                  | .. | 0               | .. | 0                          | .. | 0                     |
| 1900 ..... | 16                  | .. | 5               | .. | 4                          | .. | 31                    |
| 1901 ..... | 24                  | .. | 3               | .. | 7                          | .. | 12                    |
| 1902 ..... | 14                  | .. | 1               | .. | 5                          | .. | 7                     |
| 1903 ..... | 20                  | .. | 3               | .. | 7                          | .. | 15                    |
| 1904 ..... | 7                   | .. | 2               | .. | 3                          | .. | 28                    |
| 1905 ..... | 14                  | .. | 6               | .. | 3                          | .. | 42.8                  |
|            | —                   |    | —               |    | —                          |    | —                     |
| Totals ..  | 109                 | .. | 20              | .. | 29                         | .. | 18.2                  |
|            | —                   |    | —               |    | —                          |    | —                     |

The fatality rate is probably even higher than the figures seem to indicate, as many of the cases notified diphtheria or membranous croup were other diseases.

The freer and earlier use of anti-toxin will materially reduce this mortality.

#### BACTERIOLOGICAL EXAMINATION.

19 Specimens were sent to the Lister Institute during the year.

In 5 specimens the bacillus diphtheria was found, the Pseudo diphtheria bacillus was also present in one of these.

In 2 specimens, including the one just mentioned, the Pseudo diphtheria bacillus was found.

In 12 specimens the bacillus diphtheria was not found.

In one instance two specimens were taken from the same patient, one from the throat, the other from the nose. The diphtheria bacillus was found in the specimen taken from the nose, but not in the one taken from the throat.

Three consecutive failures to find the bacillus diphtheria are required before any importance attaches to the result.

### ENTERIC OR TYPHOID FEVER.

|  |    |
|--|----|
| Number of cases notified .....                   | 13 |
| "    "    "    "    last year .....              | 12 |
| "    "    deaths    "    .....                   | .. |
| "    "    "    "    last year .....              | 2  |
| None of the cases were removed to Hospital ..... |    |

7 cases were notified from West Macclesfield (including 2 from Parkside Asylum).

5 were notified from East Macclesfield.

1 case was notified from Sutton.

### ENTERIC FEVER SINCE 1899.

| Year.        | Number<br>Notified. | Number<br>Died. | No. removal<br>to Hospital. | Fatality,<br>per cent. |
|--------------|---------------------|-----------------|-----------------------------|------------------------|
| 1899 .....   | 35 ..               | 4 ..            | 7 ..                        | —                      |
| 1900 .....   | 62 ..               | 10 ..           | 13 ..                       | —                      |
| 1901 .....   | 33 ..               | 2 ..            | 11 ..                       | —                      |
| 1902 .....   | 26 ..               | 3 ..            | 4 ..                        | 11                     |
| 1903 .....   | 21 ..               | 3 ..            | 0 ..                        | 44                     |
| 1904 .....   | 12 ..               | 2 ..            | 0 ..                        | 16                     |
| 1905 .....   | 13 ..               | 0 ..            | 0 ..                        | 0                      |
| Totals ..... | 202 ..              | 24 ..           | 35 ..                       | 11                     |

It would seem as if there was some close connection between the gradual diminution in the numbers of cases of enteric and the clearing out of the privy midden system which has slowly been going on during the last few years. The following table bears this connection out—

| Year.      | Number of Cases<br>of Typhoid Fever. | Number of<br>Privy-middens. |
|------------|--------------------------------------|-----------------------------|
| 1899 ..... | 35 ..                                | 3,942                       |
| 1900 ..... | 62 ..                                | 3,862                       |
| 1901 ..... | 33 ..                                | 3,825                       |
| 1902 ..... | 26 ..                                | 3,705                       |
| 1903 ..... | 21 ..                                | 3,569                       |
| 1904 ..... | 12 ..                                | 3,387                       |
| 1905 ..... | 13 ..                                | 3,222                       |

During the last few years many of the worst privy middens have been abolished and the policy is being gradually pursued.

### SANITATION OF TYPHOID FEVER HOUSES,

3 cases occurred in houses with clean water closets.  
 1 case       ,,       ,, house       ,, waste water closet.  
 7 cases       ,,       ,, houses       ,, privy middens.  
 3 of which were wet and offensive and 4 offensive.

In three cases the drains were defective and in one case the means of ventilation were insufficient.

### WIDAL REACTION.

18 Specimens were sent to the Lister Institute for examination, when enteric fever was suspected.

In 3 a complete reaction was obtained.  
 ,, 5 a marked       ,,       ,,  
 ,, 1 a feeble       ,,       ,,  
 ,, 9 no reaction was obtained.

The Institute now examine the blood against para-typhoid organisms of two strains. It thus renders the value of this test to the general practitioner much greater, as he has a means of diagnosing certainly typhoid fever from para-typhoid with which it has doubtless been confounded in the past. Many of the milder cases of supposed typhoid being really infection with the para-typhoid group of bacilli.

### ERYSIPELAS.

Number of cases notified ..... 36  
 Number of deaths notified ..... 3



## NOTIFICATIONS.

22 cases occurred in West Macclesfield.  
 8 „ „ „ East Macclesfield.  
 6 „ „ „ Sutton.

## DEATHS.

1 occurred in West Macclesfield.  
 2 „ „ East Macclesfield.

## PUERPERAL FEVER.

|                         |   |
|-------------------------|---|
| Number of notifications | 5 |
| „ „ deaths              | 0 |

All five cases occurred in houses with privy-middens attached, 3 of which were very offensive.

In Macclesfield, on receiving a notification of puerperal fever the Medical Officer of Health at once enquires into the case, and writes the midwife, requesting her to discontinue practice till she has submitted herself and her appliances to cleansing and disinfection. This is done at the Isolation Hospital.

No difficulty has been found in getting infected midwives to submit to this process.

Probably an increased amount of infection will be discovered now that a certified midwife will be required to notify to the local supervising authority any case upon which she is attending where after delivery the temperature rises to 100.4 degs. F., with quickening of the pulse for more than 24 hours.

## ISOLATION AND SMALLPOX HOSPITALS.

The following cases have been admitted during the year :

|                                      |    |
|--------------------------------------|----|
| Smallpox                             | 6  |
| Scarlet Fever                        | 76 |
| (3 from Macclesfield Rural District) |    |
| Diphtheria                           | 3  |
|                                      | —  |
| Total                                | 85 |
|                                      | —  |

Last year 86 cases were treated.

## DEATHS.

Smallpox . . . . 1 ; over 65 years of age.  
 Scarlet Fever .. 4 ; 3 ages 1 to 5. 1 ages 5 to 15.  
 Diphtheria . . . . 3 ; at ages 1 to 5.

The following table shows the numbers admitted since 1899 :

| Year ..          | 1900                | 1901 | 1902 | 1903 | 1904 | 1905 |
|------------------|---------------------|------|------|------|------|------|
| Scarlet Fever .. | 19                  | 16   | 96   | 101  | 29   | 76   |
| Diphtheria ..... | 4                   | 7    | 5    | 8    | 3    | 3    |
| Enteric Fever .. | 14                  | 11   | 4    | 0    | 0    | 0    |
| Smallpox .....   | 0                   | 0    | 1    | 22   | 52   | 6    |
| Totals ..        | Scarlet Fever ..... |      |      |      |      | 337  |
|                  | Diphtheria .....    |      |      |      |      | 30   |
|                  | Enteric Fever ..... |      |      |      |      | 29   |
|                  | Smallpox .....      |      |      |      |      | 81   |

## DAYS OF PATIENTS IN HOSPITAL.

|   |           |
|---|-----------|
| 79 cases of Scarlet Fever and Diphtheria were in hospital ..... | 2816 days |
| 17 Nurses and Maids were for a period in attendance .....       | 2186 „    |
| Making a total .....  | 5002 „    |
| 6 cases of Smallpox were under treatment .....                  | 206 days  |
| 5 Nurses and Maids were at various periods in attendance .....  | 162 days  |
| Total .....   | 368 „     |

Adding these together we get  
 Patients ..... 3022 days in hospital. || Nurses ..... | 2348 „ |
| Total ..... | 5370 „ |

Last year the total days in hospital of patients and staff was ..... 4184

## COST OF FEEDING PATIENTS, NURSES, &amp;c.

|   | £   | s | d  |
|---|-----|---|----|
| The total cost of feeding at both hospitals has<br>been ..... | 208 | 4 | 1  |
| As Against £227 10s. 10d., last year.                         |     |   |    |
| Cost per head per day for food .....                          | 9   | 1 | d. |
| „ „ „ „ „ „ „ „ Last Year                                     | 1   | / | 1  |

## COST OF NURSING.

In my Annual Reports for the last three years, I have called attention to the great cost of hiring private nurses from Institutions when we need them. During 1905 no less a sum than £80 was spent for this purpose in addition to the feeding, travelling expenses, &c. For about half this sum we could have had two nurses of our own. We have now the Rural District to provide for and I do not think anything short of three nurses in addition to the Matron, sufficient. When you have your own nurses permanently engaged the work of the hospital is much better done and it is easier for the Matron to maintain discipline, than when mere temporary nurses are engaged.

BEDS FOR MACCLESFIELD RURAL DISTRICT  
COUNCIL.

During the year the Town Council on the recommendation of the Hospital Sub-Committee and the Health Committee agreed to reserve for the use of the above Council four beds in their hospital. Two beds—one male and one female—to be reserved for Scarlet Fever and two beds—one male and one female—to be reserved for typhoid fever.

The Rural District Council to pay a retaining fee of £10 per bed per annum ; also a charge of one guinea per week per case for the maintaining and nursing of scarlet fever cases, and three guineas per week for the first case and £1 11s. 6d., per week for the second case of Typhoid Fever.

A fee of one guinea per week for the first case and 10/6 per week for each subsequent case to be paid to the Medical Officer of Health for Medical attendance, &c

As the reservation of the above mentioned four beds would necessitate the building of two additional bedrooms at the nurses Cottage, the fitting up of a bathroom, the enlargement of the scullery,

and the furnishing of the same (which is estimated to cost £200) the Health Committee were recommended to incur this expenditure. The Sub-Committee suggest that the Rural District Council should bear their share of this cost in proportion to the number of beds held by them. The Sub-Committee recommend that an ambulance be purchased and the offer of the Rural District Council to contribute one-fifth of the cost of a first-class ambulance be accepted, they having the free use of the ambulance for the removal of their cases, but paying for the hire of the horse when required and the charge for the nurse attending the removal of the patient. The question of removing clothing, bedding, &c., from infected places in the District Council's area and disinfecting those articles at the Corporation disinfectory, could be dealt with as occasion arises.

The above terms to be embodied in an agreement to be prepared by the Town Clerk, the agreement to be for a fixed term of five years.

#### IMPROVEMENTS AT THE SMALLPOX HOSPITAL.

During the year a water main has been carried along Moss Lane up to the Smallpox hospital.

A wash-house, boiler, &c., have been erected and an abundant supply of hot and cold water can now be obtained at this hospital.

#### NATURE OF THE CASES TREATED.

##### SCARLET FEVER.

Scarlet Fever 76 cases with 4 deaths.

##### COMPLICATIONS.

|                                   |         |
|-----------------------------------|---------|
| Ear discharge .....               | 7 cases |
| Nasal discharge .....             | 8 „     |
| Post-Scarlatinal Rheumatism ..... | 3 „     |
| Ulcerative Stomatitis .....       | 1 case  |
| Tinea Tonsurans .....             | 1 „     |
| Enlarged Glands of Neck .....     | 7 cases |
| Abscesses in Neck opened .....    | 4 „     |
| Septic Broncho-Pneumonia .....    | 2 „     |



## DIPHTHERIA.

3 cases. 3 deaths.

All three cases of diphtheria were admitted on urgent request in a moribund condition. One died whilst being moved from the ambulance to the ward. In the other two the disease had attacked the larynx and there was great dyspnœa. Tracheotomy (high operation) was performed in both cases with temporary relief to the dyspnœa but death ensued the following day in both cases.

## THE SMALLPOX HOSPITAL.

|                                      |   |
|--------------------------------------|---|
| Number of cases admitted during 1905 | 6 |
| „ „ deaths                           | 1 |

| No.  | Sex. | Age. | Vaccinal Condition.   | Remarks.   |
|------|------|------|---|--|
| (75) | M.   | 19   | Infantile Vaccination only. Three marks on left, 2 about $\frac{1}{2}$ sq. inch 1 about $\frac{1}{4}$ sq. inch. | Patient infected from a girl said to have "chicken-pox" Discrete case.                                 |
| (76) | F.   | 72   | Said to have been vaccinated in infancy but no marks were visible   | Severe confluent. Died. Girl said to have "chicken-pox" lodged with her.                               |
| (77) | F.   | 34   | Infantile vaccination only. Five marks all large size about $\frac{1}{2}$ sq. inch.                             | Discrete. Sister to girl said to have had "chicken-pox."   |
| (78) | F.   | 26   | Infantile vaccination only. Two marks on left arm each about $\frac{1}{2}$ sq. inch.                            | In coal trade. Delivers in bags An undiagnosed Case occurred in some relation in same trade. Discrete. |
| (79) | M.   | 39   | Infantile vaccination only. One mark on left arm about $\frac{1}{2}$ sq. inch.                                  | Discrete. A Chemist might have been affected in course of trade.                                       |
| (80) | M.   | 39   | Infantile vaccination only. Four marks each about $\frac{1}{2}$ sq. inch.                                       | Gas worker Discrete case origin not traced.  |

### FATAL CASE OF SMALLPOX.

It will be noted that the fatal case occurred in an old lady over 70 years of age, who was **said** to have been vaccinated in infancy, but no marks were visible. If she had ever been vaccinated she had long outgrown the protection conferred by once vaccination in early life.

Again, it is noteworthy that the person—the young woman—who gave her the fatal attack was herself actually suffering from smallpox in so mild a form as that a medical man had diagnosed the disease as chicken-pox.

### IMMENSITY OF STAFF AND OF PERSONS RE-VACCINATED.

Four nurses and one man were hourly in close and intimate contact with these cases of smallpox. None took the disease. The only precaution insisted on was evidence of **recent successful vaccination**.

All the relatives, friends, &c., of these patients who submitted to revaccination escaped taking the disease. No matter how intense the exposure.

### THE DISINFECTOR.

The following table shows the work done by the Thresh current Steam Disinfector during the year.

|           |   |      |
|-----------|---|------|
| Number of | beds disinfected by Steam                         | 229  |
| „         | pillows disinfected by steam                      | 420  |
| „         | carpets disinfected by steam                      | 99   |
| „         | blankets and Counterpanes disinfected<br>by steam | 530  |
| „         | articles of clothing disinfected by steam         | 3111 |
| Total ..  |   | 4389 |

### THE AMBULANCE.

There seems every prospect that a modern up-to-date ambulance will be purchased during the current year for the removal of patients to the hospitals. The present machine has long since ceased to be decent. A bedding van has been provided for the removal of infected clothing to the disinfector.

## WATER SUPPLY.

The supply of water to the Borough has been abundant and unrestricted during the year.

No cases of sickness have been traceable to the water supply. One of the weakest spots in our water service is the unprotected condition of some of the water courses which supply our storage reservoirs at Langley. I am of opinion that frequent inspections should be made of these streams and precautions enforced to secure against pollution with faecal matter. Such pollution may take place for years and pass unrecognised until faecal matter from a person suffering from typhoid fever gains entrance to the water when an uncontrollable epidemic at once ensues.

I append the results of Bacterial and chemical analysis.

It must always be borne in mind when considering the relative values of these analyses that the chemical analysis gives no indication of specific pollution, and that only the bacteriological examination actually shows the number of organisms and their kind present in the water. The waters submitted for examination were from three sources:

(1) Town's water, collected from a tap at the Town Hall, and being the water as supplied to the town generally.

(2) Hollins Road water. This is water which has undergone a certain amount of purification by sedimentation in the Langley reservoirs, but has not, unlike the town's supply, passed through the filter beds. Only a few houses receive this water.

(3) Hurdsfield water is a private supply, which is distributed up Hurdsfield Road and to some houses in Commercial Road.

## BACTERIOLOGICAL EXAMINATION.

### LISTER INSTITUTE OF PREVENTIVE MEDICINE.

Chairman of Council, Lord Lister, P.C., O.M., F.R.S.; Hon. Treasurer, Sir Henry E. Roscoe, F.R.S.; Director, Professor C. J. Martin, F.R.S.



Report on Examination of three samples of water received from Dr. Marsh, on May 2nd, 1905.

Town Hall,

Macclesfield,

May 10th, 1905.

| Sample.            | Total organisms<br>in 1 cub. cent. |                      |    |  | Bacillus coli present<br>in |
|--------------------|------------------------------------|----------------------|----|--|-----------------------------|
|                    | growing at<br>22o C.               | growing at<br>37o C. |    |  |                             |
| " No. 1 from Tap " | 33                                 | .. 28                | .. |  | 25c.c., not in 10 c.c       |
| " No. 2 from tap " | 92                                 | .. 35                | .. |  | 25 c.c., not in 10 c.c      |
| " No. 3 from tap " | 88                                 | .. 30                | .. |  | 10 c.c., not in 1 c.c.      |

The total number of organisms per cub. cent., is low and satisfactory, and the number of organisms of intestinal type which are present is not large, though sample No. 3 is suggestive of pollution as judged by this test. The proportion of the total number of organisms however which are capable of growth at body temperature is very high (nearly  $\frac{1}{2}$  in the average), and this is extremely suggestive of undesirable contamination. The water cannot be said to be satisfactory as long as this proportion between organisms growing at 22o and at 37o remains 20high.

No information was sent with the samples as to the source and treatment (filtration, etc.), of the water ; if, as the numbers suggest, the water is filtered, the process is fairly successful quantitatively, but fair qualitatively.

A. E. BOYCOTT.

#### CHEMICAL EXAMINATION.

City Laboratory, Seymour House : 5, Seymour Grove, Old Trafford, Nr. Manchester,

May 9th, 1905.

These three waters are free from odour or taste. They are neutral. No poisonous metals were present.

On the whole these samples are better than those of last year, shown chemically a higher degree of purity.



As representing a water supply they are all of excellent quality and suitable for all domestic purposes.

C. E. ESTCOURT, F.I.S., F.C.S.

## HOUSING OF THE WORKING CLASSES ACT, 1890.

At a meeting of the Health Committee held on March 2nd. the Town Clerk submitted the report made by the Medical Officer of Health under the Housing of the Working Classes Act, 1890, certifying that the buildings described below are in a state so dangerous or injurious to health as to be unfit for human habitation, viz. :—

No. 16 Derby Street.

Nos. 1, 2, 3, 4, 5, 6, and 7, Court 2, Derby Street.

Nos. 1 and 2 Court 4 Derby Street.

No. 2, Court 1 Newgate.

and reported the resolution of the Council with reference to the same, and the matter having been considered, it was

Resolved that notice be given to the owners in the form prescribed by the Housing of the Working Classes Act, 1890, and that the time within which such buildings are to be rendered fit for human habitation be one month from the date of the notice.

At a meeting of the Health Committee held on July 20th, the Committee having considered the report of the Sub-Committee of the 14th instant and of the Inspector now read, and it appearing to them that the undermentioned premises, viz. :—

Court 15, Bank Street.

are in a state so dangerous and injurious to health as to be unfit for human habitation, it was resolved that the report be approved and that proceedings be taken against the owner for closing the said premises under the Housing of the Working Classes Act, 1890, and further it was resolved that the Town Clerk be instructed to take the necessary proceedings before the Magistrates for the closing of the following premises :—

No. 16 Derby Street.

Nos. 1, 2, 3, 4, 5, 6 and 7 Court 2 Derby Street.

Nos. 1 and 2 Court, 4 Derby Street,

No. 2 Court 1 Newgate.

as being unfit for human habitation.

### THE PRIVY-MIDDEN

The privy-midden, like the poor, seems destined to be with us always. With an abundant water supply and expensive system of sewage and sewage disposal this stinking relic of mediæval sanitation still lingers on in our midst.

3,222 of these abominations still disgrace the Borough. An offence to the senses. A grave danger to health. An intolerable infliction on those who have to use them and live near them, poisoning the air by day and night. Breeding masses of louthsome flies and making a happy hunting ground for rats and other vermin.

| Year.      | No. of<br>Privy.<br>Closets. | No. of<br>Waste-water<br>Closets. | No. of<br>Clean-water<br>Closets. |
|------------|------------------------------|-----------------------------------|-----------------------------------|
| 1897 ..... | 4,319                        | 260                               | 674                               |
| 1898 ..... | 4,157                        | 301                               | 710                               |
| 1899 ..... | 3,942                        | 309                               | 815                               |
| 1900 ..... | 3,662                        | 309                               | 940                               |
| 1901 ..... | 3,825                        | 309                               | 1,038                             |
| 1902 ..... | 3,705                        | 309                               | 1,205                             |
| 1903 ..... | 3,569                        | 309                               | 1,378                             |
| 1904 ..... | 3,387                        | 309                               | 1,628                             |
| 1905 ..... | 3,222                        | 309                               | 1,838                             |

At the present rate of progress it will take us over a quarter of a century before the last of these atrocities is left "blooming alone." I do trust that the Health Committee will hasten on with this work which is urgently and vitally necessary for the Health of the town.

### SCAVENGING AND NIGHTSOIL REMOVAL

The following Table gives the nightsoil return for the last 17 years :—

| Year.      | No. of Loads. | Expenditure. |
|------------|---------------|--------------|
|            |               | £   s   d    |
| 1888 ..... | 10,338 .....  | 821 18 7     |
| 1889 ..... | 10,295 .....  | 933 16 4     |
| 1890 ..... | 8,523 .....   | 847 13 9     |
| 1891 ..... | 10,187 .....  | 1,328 9 10   |
| 1892 ..... | 9,957 .....   | 1,521 8 6    |
| 1893 ..... | 10,975 .....  | 1,837 1 9    |
| 1894 ..... | 12,733 .....  | 1,714 15 8   |
| 1895 ..... | 12,289 .....  | 1,652 6 8    |
| 1896 ..... | 12,407 .....  | 1,807 12 6   |
| 1897 ..... | 13,283 .....  | 2,006 2 3    |
| 1898 ..... | 13,619 .....  | 2,104 2 4    |
| 1899 ..... | 13,040 .....  | 2,169 16 10  |
| 1900 ..... | 12,057 .....  | 2,093 10 0   |
| 1901 ..... | 11,215 .....  | 2,425 14 2   |
| 1902 ..... | 12,532 .....  | 2,334 10 9   |
| 1903 ..... | 11,912 .....  | 2,260 10 5   |
| 1904 ..... | 10,371 .....  | 1,999 6 4    |
| 1905 ..... | 11,082 .....  | 1,895 3 5    |

The expenditure includes the cost of the Danes Moss Farm.

Reference to the Sanitary Inspector's Report will give some details as to the way in which this work has been carried out.

## FACTORY AND WORKSHOPS ACT, 1901.

Section 132 of this Act is as follows :—

“The Medical Officer of Health of every District Council shall, in his annual report to them, report specifically on the administration of this Act in workshops and workplaces, and he shall send a copy of his annual report or so much of it as deals with this subject to the Secretary of State.”

A statistical summary is appended showing the amount of work done in the carrying out of this Act

# FACTORIES,    WORKSHOPS,    LAUNDRIES,    WORKPLACES, AND    HOMEWORK.

## 1.—INSPECTION.

(Including Inspections made by Sanitary Inspectors or  
Inspectors of Nuisances).

| Premises.  | No. of<br>Inspections. | No. of<br>Written<br>Notices. | No. of<br>Prosecutions. |
|--|------------------------|-------------------------------|-------------------------|
| Factories (including fac-<br>tory laundries) . . . . . | 18 ..                  | 0 ..                          | 0                       |
| Workshops (including<br>workshop laundries) ..         | 126 ..                 | 2 ..                          | —                       |
| Workplaces . . . . .                                   | No record kept         | — ..                          | —                       |
| Homeworkers' Premises ..                               | — ..                   | — ..                          | —                       |
| Total . . . . .  | 144 ..                 | 2 ..                          | 0                       |



## 2.—DEFECTS FOUND.

| Particulars.   | No. of Defects. |          |                             |                      |   |   |
|--|-----------------|----------|-----------------------------|----------------------|---|---|
|  | Found           | Remedied | Referred to H.M. Inspector. | No. of Prosecutions. |   |   |
| Nuisances under the Public Health Acts :—*   |                 |          |                             |                      |   |   |
| Want of cleanliness .....  | 4               | 4        | —                           | —                    | — | — |
| Want of ventilation .....  | —               | —        | —                           | —                    | — | — |
| Overcrowding .....   | —               | —        | —                           | —                    | — | — |
| Want of drainage of floors .....   | —               | —        | —                           | —                    | — | — |
| Other nuisances .....  | 1               | 1        | —                           | —                    | — | — |
| Sanitary accommodations :  |                 |          |                             |                      |   |   |
| Insufficient .....   | —               | —        | —                           | —                    | — | — |
| Unsuitable or defective .....  | 3               | 3        | —                           | —                    | — | — |
| Not separate for sexes .....   | 1               | 1        | —                           | —                    | — | — |
| Offences under the Factory and Workshop Act :—   |                 |          |                             |                      |   |   |
| Illegal occupation of underground bakehouse (S. 101) ..  | —               | —        | —                           | —                    | — | — |
| Breach of special sanitary requirements for bakehouses (SS. 97 to 100) .....                         | —               | —        | —                           | —                    | — | — |
| Failure as regards lists of outworkers (S. 107) .....  | —               | —        | —                           | —                    | — | — |
| Giving out work to be done in premises which are—  |                 |          |                             |                      |   |   |
| Unwholesome (S. 108) .....   | —               | —        | —                           | —                    | — | — |
| Infected (S. 110) .....  | —               | —        | —                           | —                    | — | — |
| Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109) ..... | —               | —        | —                           | —                    | — | — |
| Other offences .....   | —               | —        | —                           | —                    | — | — |
| Total .....  | 9               | 9        | —                           | —                    | — | — |

\* Including those specified in Sections 2, 3, 7 and 8, of the Factory Act as remediable under the Public Health Acts.

## 3.—OTHER MATTERS.

| Class.  | Number. |
|---|---------|
| Matters notified to H.M. Inspectors of Factories :—   |         |
| Failure to affix Abstract of the Factory and Workshop Act (S. 133) .....  | —       |
| Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5)— |         |
| Notified by H.M. Inspector .....  | 8       |
| Reports (of action taken) sent to H.M. Inspectors ..  | 8       |
| Other .....   | —       |
| Underground Bakehouses (S. 101) :—  |         |
| In use during 1903 .....  | —       |
| Certificates granted—   |         |
| In 1903 .....   | —       |
| In 1904 .....   | 3       |

|                                       |        |             |     |
|---------------------------------------|--------|-------------|-----|
| Homework :—                           |        | Number of   |     |
| Lists of Outworkers (S. 107) :—       | Lists. | Outworkers. |     |
| Lists received .....                  | 6      | ..          | 110 |
| Addresses of outworkers :             |        |             |     |
| Forwarded to other Authorities .....  |        | —           |     |
| Received from other Authorities ..... |        | 3           |     |

## NEW SEWERS.

The following Streets have been sewered during the year.

1. Short length of Main Sewer in Charlotte Street.
2. Bunkers Hill and Hawthorn Street Sewer.
3. Sewer from Wharfe Street, Hurdsfield to drain Mr. Caleb Oldfield's property.
4. Duke Street (Macclesfield) Main Sewer.
5. St. George's Street Sewer, Park Street to St. George's Place.

## NEW DWELLING-HOUSES.

Plans for 31 Dwelling-houses were approved during 1905, against 42 for the previous year.

I append an interesting Report from the chief Sanitary Inspector.

I have the honour to remain,

Gentlemen,

Your obedient Servant,

J. HEDLEY MARSH,

Medical officer of Health.

## INSPECTOR OF NUISANCES ANNUAL REPORT.

MR. CHAIRMAN AND GENTLEMEN,

I most respectfully beg to submit my Annual Report shewing the particulars of the action taken in the suppression of nuisances &c., and the various improvements effected, and the work done by this Department during the year ending December 31st, 1905.

## NUISANCES.

During the year, 756 nuisances have been satisfactorily abated, to effect which, 142 Statutory Notices were served, and 614 letters and preliminary notices have been written to owners, etc., calling their attention to the various nuisances, and 280 interviews were held with owners or agents relating to their abatement. Four persons were summoned before the Magistrates. Three in respect of closing Orders for houses unfit for human habitation, and one for refusing to abate a nuisance. The Orders asked for were obtained in each case.

The numbers of privy midden closets and ashpits converted into water closets and dry ashpits has been 165. In spite of the well known advantages of water closets and dry ashplaces over privy midden closets and ashpits, I still, at times, meet with considerable opposition to the conversion of the latter. 172 house drains have been relaid, or repaired and cleansed. A good number of which are in the Hurdsfield District, and these have been entirely reconstructed and properly connected to the new sewer in this district. 6 slopstone discharge pipes have been properly disconnected, and 163 drains have been tested with the smoke machine.

The windows of 61 houses have been caused to be altered to improve the ventilation.

Six cases of overcrowding have been satisfactorily abated, and the tenants of 52 houses made to cleanse their houses, bedding, &c. The tenant of a two roomed house, a man, was found with no less than ten cats, which he kept in the house the greater part of the day and night. There was a heap of cinders in the coal place for the cats convenience. When first visited the cats had been shut up in the house for some hours, the stench may be imagined. He was made to dispose of nine of the cats and to cleanse the house throughout,

Three persons have been stopped from pig-keeping on unsuitable premises, and investigations made into seven complaints of nuisance from the keeping of pigs, and the necessary steps taken to have the cause of complaint removed.



Six complaints have been received of nuisance arising from the dumping of fish offal in unsuitable places, and after investigation the fishmongers concerned have been warned that proceedings would be taken should the offence be repeated. In the case of two complaints of nuisance from fish frying, the businesses were found to be properly conducted, these not being anything to complain of except the smell inseparable from such a business, which the owners were requested to minimise as much as possible.

Thirteen defective taps, &c., wasting Towns water were detected and reported to the Water Inspector.

### SMOKE ABATEMENT.

In connection with the above, Notices have been served on the three most frequent offenders, and letters sent to two others. Alterations have been caused to be made to the furnace or chimney of three factories, the result of which, so far, has been satisfactory.

### NIGHTSOIL REMOVAL.

Apart from requests for ashpits to be emptied, I have received 28 complaints in connection with the above, 9 about nightsoil being tipped on private land without permission, 14 about the sweeping and swilling not being properly done after the emptying of the ashpit. 2 that the ashpit had only been part emptied, 2 about the barrows and tools being left in private yards, 1 of the ashpits being emptied at half-past seven in the morning, and one of nightsoil being spilt on the roadway. Although I only received one complaint of nightsoil being spilt on the roadway several other instances came under my notice. All the complaints were at once brought to the notice of the Contractor.

### COMMON LODGING HOUSES.

The eight Registered Common Lodging Houses have accommodated 29,325 males over 14. 2,791 females over 14, 218 males under 14 and 245 females under 14, making a total of 32,579 nightly lodgers. 426 inspections have been made. Generally the houses have been found to be well conducted, with the exception of one, where the inability is caused by the old age and infirmities of the keeper and his wife. During the year two Registered keepers have died, their successors are about to apply for Registration.

## INFECTIOUS DISEASES;

All the houses in which cases of infectious disease has occurred have been visited and inspected, and instructions given as to the precautions to be observed to prevent spread. 85 cases have been removed to the Hospital, and 3 contacts to the Temporary Shelter.

When the case is nursed at home, the house is kept under observation and frequently revisited until the patient is free from infection.

368 communications in respect of infectious disease have been sent to Schools, parents and other Districts. 349 supplies of Disinfectants have been given, and 79 pails containing Typhoid excrement removed, disinfected, and buried.

143 houses have been disinfected after infectious disease, including 5 after death from phthisis, and 2 from cancer. 4,389 beds, pillows, carpets, articles of clothing, &c., have been removed and disinfected. The rooms are sprayed or fumigated with Formaldehyde and the bedding, clothing, &c., disinfected by steam.

Disinfection has been offered and advised after death from phthisis. Consent to carry out disinfection could only be obtained in five cases. In most of the other cases a certain amount of precaution had been taken, the majority having the bedclothes and room washed with disinfectant, while some had emptied the bed and pillows and washed the ticking with the other things, and a few had the bed and pillows destroyed.

## FACTORY AND WORKSHOPS ACTS.

Eight complaints have been received from the Factory Inspector. Three relating to the unsatisfactory condition of the sanitary conveniences in that number of factories, one that a factory roof was dangerous, another that pigs were being kept under the basement of a factory, and three about dirty workshops.

The work necessary to remove the cause of complaint has been done in every instance except one.

In one factory the sanitary conveniences, 16 in all, have been converted into water closets, in the second an additional water closet has been fixed to provide suitable separate accommodation for the females employed in that department. The complaint as to the danger-

ous factory roof was referred to the Borough Surveyor, who has taken steps to cause the owner to have the necessary repairs executed. The pigs were at once caused to be removed from the basement of the factory and the place cleansed. In addition to the above, Notices have been served for the privies of a workshop, three in number, to be converted into water closets, and for another workshop to be lime-washed, both of which have been complied with.

126 visits have been made to Factories and Workshops including those made to Bakehouses.

### BAKEHOUSES.

There are 49 Bakehouses on the Register to which 98 visits have been made. The periodical limewashing required by the Act has been duly carried out by the majority and in the case of the few exceptions it has been done on the attention of the occupiers being drawn to the matter.

### SLAUGHTERHOUSES.

These, together with the tripe dressing places, have been regularly inspected and generally found to be properly kept. There are now 22 slaughterhouses in use in the Borough, being one more than in my last report. One being again occupied after being out of use for a short time. The drainage of three has been repaired and improved.

### DAIRIES, COWSHEDS, AND MILKSHOPS.

Regular visits have been made to all of those on the Register to ensure the necessary limewashing and cleansing being carried out. While this Report is in hand preparations are being made to revise the Register, and for this purpose the Health Committee have ordered notice to be given in the press in accordance with the provisions of The Dairies, Cowsheds and Milkshops Order.

### CONTAGIOUS DISEASES OF ANIMALS ACTS.

The Borough during the last year was more unfortunate of late, having had three outbreaks of contagious disease, all affecting swine.

There were two of swine fever affecting 15 animals, which were slaughtered by Order of the Board of Agriculture, and their carcasses buried in quick lime, and the premises, &c., thoroughly disinfected in accordance with the Regulations of The Board of Agriculture.



The other outbreak was Contagious Pneumonia and occurred in a stock of 69 pigs, 5 of which were slaughtered by the Inspector of The Board of Agriculture, and the remaining 64 by the owner, 13 of these were found affected with the disease and condemned, the remaining 51 were free from disease and were passed for food. The disinfection of the premises was subsequently properly carried out. In connection with the above outbreaks, 5 Detention Notices for Swine were issued and served.

During the year 336 licenses have been certified for the removal of swine.

A suspected case of Rabies was reported by the Police. A dog was seized with a fit in one of the main streets, during which it was killed by a blow on the head with a stick, its body was taken to the Borough Police Station, where a post-mortem examination was made by Mr. Percival, the Borough Veterinary Inspector, who certified it was not a case of Rabies.

### FOOD INSPECTION.

1,240 lbs. of Beef, 13 Carcasses of pigs, 75 lbs. of Mutton, 20 lbs. of Veal and 12 lbs. of Fish were submitted for inspection and destroyed. 8 lbs. of tripe were caused to be destroyed. 51 Carcasses of pigs and 50 lbs. of veal, submitted for inspection were found fit for food and passed. No unsound meat has been found exposed or deposited for sale.

### FOOD AND DRUGS ACTS.

The following samples have been submitted to the Analyst. 10 Brandy, 35 Milk, 16 Butter, 12 Cheese, 10 Lard, 9 Coffee, 6 White Pepper, 3 Bread, 3 Vinegar. Total 104. 6 Brandies were adulterated with silent spirit, but owing to the indefiniteness of the Law as to what is Brandy, there was no prosecutions. 2 Butters were adulterated, the vendor prosecuted and fined £3 and costs. 1 Milk deficient in fat to the extent of 20 per cent. vendor prosecuted and fined 10/- and costs. 1 Coffee was adulterated with 70 per cent. of Chicory. In this case proceedings are pending. 2 Milks were slightly deficient in fat. The vendors were both warned after the result of the analysis of further samples taken after seeing the cows milked. Warnings were also given to 2 vendors for selling poor quality of Lard and White Pepper.

Observations and inspections have been frequently made to see that the Margarine Acts were being duly carried out.



## CANAL BOATS ACTS.

67 Canal Boats have been inspected, 43 of which were in conformity with the Acts and the Regulations of the Local Government Board. The remaining 24 had the following infringements. 4 Certificates of Registration not on Board. One Certificate did not identify owner. Two the markings were obliterated. One overcrowded, Three dirty Cabins. Two dilapidated and eight without proper water vessels.

The Boats were registered to accommodate 209 adults ; there were occupying 129 males, 10 females and 4 children.

All the Boats were free from any Infectious disease. During the year his Majesty's Chief Inspector twice visited the district.

Fuller detailed Reports of the work done in the administration of the Canal Boats Acts and the Food and Drugs Acts have been sent to the Local Government Board.

## SUMMARY.

|   |     |
|---|-----|
| Number of Complaints received at Office .....   | 254 |
| „ „ Nuisances entered on the Books .....  | 740 |
| „ „ Nuisances removed .....   | 756 |
| „ „ Preliminary notices and letters.....  | 614 |
| „ „ Statutory notices served.....   | 142 |
| „ „ Magistrates orders obtained .....   | 4   |
| „ „ Persons summoned before the Justices for offences<br>under the Public Health Acts ..... | 4   |
| „ „ privies and Ashpits repaired and improved .....   | 48  |
| „ „ privies converted into water closets .....  | 165 |
| „ „ New Closets built :—  |     |
| on W.C. system .....  | 45  |
| on Waste Water system .....   | 0   |
| on privy system .....   | 0   |
| „ „ House drains repaired and cleansed .....  | 172 |
| „ „ Slopstone pipes disconnected from the sewer .....                                       | 6   |
| „ „ House drains tested with smoke apparatus .....  | 163 |

|  |        |
|--|--------|
| Number of other nuisances (not specified above) abated .....                             | 276    |
| „ „ visits paid to Common Lodging Houses .....   | 425    |
| „ „ Nightly lodgers accommodated at the Common Lodg-<br>ing Houses during the year ..... | 32,579 |
| „ „ Visits paid to Factories and Workshops .....   | 126    |
| „ „ „ „ „ Dairies, Cowsheds and Milkshops ..   | 128    |
| „ „ „ „ „ Registered Slaughter Houses .....  | 292    |
| „ „ „ „ „ Bakehouses .....   | 98     |
| „ „ „ „ „ Tripe Dressing places .....  | 62     |
| „ „ „ „ „ Dirty and overcrowded houses ....  | 226    |

The distribution of Limewash Brushes, and Disinfectants to the poor has been as follows :—

|   |      |
|---|------|
| Limewash .....  | 1187 |
| Brushes lent for applying same .....  | 578  |
| Disinfectants .....   | 8932 |
| Number of Houses specially inspected on account of Infectious<br>Diseases .....                               | 189  |
| „ „ Visits paid to same .....   | 623  |
| „ „ Notices sent to schools and parents re the Isolation<br>of children where infectious disease exists ..... | 368  |
| „ „ Pails containing Typhoid excrement, removed, dis-<br>infected and buried .....                            | 79   |
| „ „ Supplies of Disinfectants specially on account of In-<br>fectious Disease .....                           | 349  |
| „ „ Houses fumigated after Infectious Disease .....   | 136  |
| „ „ „ „ „ deaths from Phthisis ....   | 5    |
| „ „ „ „ „ deaths from Cancer .....  | 2    |
| „ „ Cases removed to Isolation Hospital, including 3<br>from Macclesfield Rural District .....                | 85   |
| „ „ Contacts removed to Temporary Shelter .....   | 3    |
| „ „ Beds .....  | 229  |
| „ „ Pillows .....   | 420  |
| „ „ Blankets and Counterpanes .....   | 530  |
| „ „ Carpets .....   | 99   |

|   |      |
|---|------|
| Number of Articles of clothing disinfected by steam .....   | 3111 |
| „ „ Canal Boats inspected.....  | 67   |
| „ „ Number of samples taken under the sale of Food and<br>Drugs Act, &c., submitted to the Borough<br>Analyst ..... | 104  |
| „ „ Persons proceeded against for offences under the Sale<br>of Food and Drugs Act .....                            | 2    |

The outbreaks of contagious diseases amongst animals within the Borough have been as follows :—

|  |   |
|--|---|
| Swine Fever .....  | 2 |
| Contagious Pneumonia .....   | 1 |
| Number of persons proceeded against for offences under the Con-<br>tagious Diseases Animals Acts ..... | 0 |
| Diseased, Unsound, or Unwholesome food seized, and destroyed<br>by Magistrates order .....             | 0 |
| 8 lbs. of tripe were caused to be destroyed.   |   |

Food submitted for inspection and destroyed :—

1240 lbs. of Beef, 75 lbs. of Mutton, 20 lbs. of Veal, 12 lbs. of  
Fish and 13 Carcasses of Pigs.

|   |     |
|---|-----|
| Number of licenses certified for the removal of Swine ..... | 336 |
| „ „ Notices issued for the detention of Swine .....         | 5   |

I remain, Gentlemen,

Your obedient Servant,

WILLIAM JENKINS.

TABLE I.  
Name of District Macclesfield. For whole district.

| Year.                              | Popula-<br>tion es-<br>timated<br>to Mid-<br>dle of<br>each<br>Year.<br>2 | Births. |       | Deaths under 1<br>Year of age. |  | Deaths at all<br>Ages. Total. |       | Deaths<br>in<br>Public<br>Insti-<br>tutions | Deaths<br>of Non-<br>residents<br>register-<br>ed in<br>District. | Deaths<br>of Resi-<br>dents<br>register-<br>ed<br>beyond<br>District.<br>11 | Deaths at all ages<br>Nett. |       |
|------------------------------------|---|---------|-------|--------------------------------|--|-------------------------------|-------|---|---|---|-----------------------------|-------|
|                                    |   | Number  | Rate* | Number                         | Rate<br>per 1000<br>Births<br>register-<br>ed. | Number                        | Rate* |   |   |   | Number                      | Rate* |
| 1                                  | 2   | 3       | 4     | 5                              | 6  | 7                             | 8     | 9   | 10  | 11  | 12                          | 13    |
| 1891                               | 36009   | 1009    | 28.1  | 130                            | 130  | 816                           | 22.6  | 135   | 67  |   | 749                         | 20.8  |
| 1892                               | 36009   | 989     | 27.4  | 201                            | 203  | 986                           | 27.3  | 156   | 81  |   | 905                         | 25.1  |
| 1893                               | 36009   | 931     | 25.9  | 177                            | 190  | 845                           | 23.4  | 191   | 101   |   | 744                         | 20.6  |
| 1894                               | 36009   | 1017    | 28.2  | 136                            | 134  | 732                           | 20.3  | 160   | 89  |   | 643                         | 17.7  |
| 1895                               | 36009   | 917     | 25.4  | 199                            | 217  | 908                           | 25.2  | 182   | 95  |   | 813                         | 22.5  |
| 1896                               | 36009   | 964     | 26.8  | 150                            | 55   | 732                           | 20.3  | 150   | 67  |   | 665                         | 18.4  |
| 1897                               | 36009   | 977     | 27.1  | 171                            | 157  | 825                           | 22.9  | 179   | 93  | 2   | 734                         | 20.3  |
| 1898                               | 36009   | 953     | 26.1  | 166                            | 174  | 787                           | 21.0  | 151   | 88  | 1   | 670                         | 18.6  |
| 1899                               | 36009   | 886     | 24.6  | 174                            | 196  | 810                           | 22.5  | 188   | 73  |   | 737                         | 20.4  |
| 1900                               | 36009   | 853     | 23.6  | 163                            | 190  | 772                           | 21.4  | 160   | 66  | 3   | 709                         | 19.7  |
| Averages<br>for years<br>1900—1901 | 36009   |         | 26.6  |                                | 174  |                               | 22.9  | 163   | 82  |   |                             |       |
| 1901                               | 34635   | 771     | 22.2  | 139                            | 180  | 720                           | 20.8  | 176   | 77  | 3   | 643                         | 18.5  |
| 1902                               | 34635   | 842     | 21.4  | 76                             | 102  | 597                           | 17.2  | 175   | 72  | 2   | 525                         | 15.1  |
| 1903                               | 34625   | 870     | 25.1  | 117                            | 134  | 675                           | 19.4  | 204   | 74  | 2   | 601                         | 17.3  |
| 1904                               | 34624   | 784     | 22.6  | 140                            | 178  | 798                           | 23.0  | 222   | 91  |   | 707                         | 20.0  |
| 1905                               | 34624   | 751     | 21.6  | 112                            | 149  | 716                           | 20.7  | 227   | 88  | 3   | 628                         | 18.1  |

\*Rates calculated per 1,000 of estimated population.



NOTE. The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this Table.

|  |            |                         |
|--|------------|-------------------------|
| Area of District in acres<br>(exclusive of area<br>covered by water) | .....3214. |                         |
| Total population at all ages .....                                   | 34,624     | } At Census<br>of 1901. |
| Number of inhabited houses .....                                     | 8,534      |                         |
| Average number of persons per house                                  | 4          |                         |

TABLE II.  
Name of District Macclesfield.

| Names of Localities.                  | West Macclesfield.   |                            |                             |                            |  | East Macclesfield including Hudsfield since 1896.                    |                            |                              |                            |  | Hudsfield.   |                            |                              |                            | Sutton.  |                            |                              |                            |
|---------------------------------------|--|----------------------------|-----------------------------|----------------------------|--|--|----------------------------|------------------------------|----------------------------|--|--|----------------------------|------------------------------|----------------------------|--|----------------------------|------------------------------|----------------------------|
|                                       | Popula-<br>tion es-<br>timated<br>to mid-<br>dle of<br>each<br>year. | Births<br>regis-<br>tered. | Deaths<br>at<br>all<br>Ages | Deaths<br>under<br>1 year. |  | Popula-<br>tion es-<br>timated<br>to mid-<br>dle of<br>each<br>year. | Births<br>regis-<br>tered. | Deaths<br>at<br>all<br>Ages. | Deaths<br>under<br>1 year. |  | Popula-<br>tion es-<br>timated<br>to mid-<br>dle of<br>each<br>year. | Births<br>regis-<br>tered. | Deaths<br>at<br>all<br>ages. | Deaths<br>under<br>1 year. | Popula-<br>tion es-<br>timated<br>to mid-<br>dle of<br>each<br>year. | Births<br>regis-<br>tered. | Deaths<br>at<br>all<br>Ages. | Deaths<br>under<br>1 year. |
| Year.                                 | a.   | b.                         | c.                          | d.                         |  | a.   | b.                         | c.                           | d.                         |  | a.   | b.                         | c.                           | d.                         | a.   | b.                         | c.                           | d.                         |
| 1891                                  | 17854  | 447                        | 398                         | 61                         |  | 9813   | 293                        | 204                          | 49                         |  | 3282   | 111                        | 44                           | 3                          | 5060   | 158                        | 103                          | 17                         |
| 1892                                  | 17854  | 437                        | 472                         | 84                         |  | 9813   | 298                        | 213                          | 64                         |  | 3282   | 110                        | 74                           | 19                         | 5060   | 144                        | 146                          | 34                         |
| 1893                                  | 17854  | 427                        | 415                         | 74                         |  | 9813   | 257                        | 185                          | 68                         |  | 3282   | 111                        | 57                           | 17                         | 5060   | 136                        | 87                           | 18                         |
| 1894                                  | 17854  | 471                        | 332                         | 49                         |  | 9813   | 284                        | 160                          | 49                         |  | 3282   | 90                         | 53                           | 15                         | 5060   | 166                        | 98                           | 20                         |
| 1895                                  | 17854  | 433                        | 421                         | 98                         |  | 9813   | 276                        | 213                          | 17                         |  | 3282   | 74                         | 67                           | 15                         | 5060   | 154                        | 112                          | 29                         |
| 1896                                  | 17854  | 441                        | 352                         | 61                         |  | 13095  | 375                        | 242                          | 67                         |  |  |                            |                              |                            | 5551   | 149                        | 71                           | 22                         |
| 1897                                  | 17854  | 472                        | 382                         | 61                         |  | 13095  | 378                        | 261                          | 71                         |  |  |                            |                              |                            | 5051   | 127                        | 91                           | 27                         |
| 1898                                  | 17854  | 422                        | 369                         | 85                         |  | 13095  | 383                        | 225                          | 61                         |  |  |                            |                              |                            | 5051   | 148                        | 76                           | 20                         |
| 1899                                  | 17854  | 417                        | 422                         | 90                         |  | 13095  | 341                        | 213                          | 57                         |  |  |                            |                              |                            | 5051   | 128                        | 102                          | 23                         |
| 1900                                  | 17854  | 429                        | 398                         | 72                         |  | 13095  | 305                        | 224                          | 68                         |  |  |                            |                              |                            | 5051   | 119                        | 99                           | 23                         |
| Averages<br>of years<br>1891 to 1902. | 17854  | 442                        | 387                         | 75                         |  |  | 495                        | 251                          | 68                         |  |  |                            |                              |                            |  | 146                        | 99                           | 23                         |
| 1901                                  | 17297  | 365                        | 326                         | 68                         |  | 12450  | 283                        | 214                          | 44                         |  |  |                            |                              |                            | 4888   | 123                        | 103                          | 27                         |
| 1902                                  | 17297  | 350                        | 270                         | 39                         |  | 12450  | 300                        | 196                          | 31                         |  |  |                            |                              |                            | 4888   | 92                         | 59                           | 6                          |
| 1903                                  | 17297  | 399                        | 307                         | 44                         |  | 12440  | 357                        | 240                          | 61                         |  |  |                            |                              |                            | 4887   | 144                        | 54                           | 12                         |
| 1904                                  | 17297  | 380                        | 345                         | 65                         |  | 12440  | 284                        | 264                          | 54                         |  |  |                            |                              |                            | 4887   | 120                        | 98                           | 20                         |
| 1905                                  | 17297  | 350                        | 304                         | 59                         |  | 12440  | 326                        | 235                          | 32                         |  |  |                            |                              |                            | 4887   | 116                        | 66                           | 16                         |
| 1906                                  | 17297  | 350                        | 304                         | 59                         |  | 12440  | 326                        | 235                          | 32                         |  |  |                            |                              |                            | 4887   | 116                        | 66                           | 16                         |
| 1907                                  | 17297  | 350                        | 304                         | 59                         |  | 12440  | 326                        | 235                          | 32                         |  |  |                            |                              |                            | 4887   | 116                        | 66                           | 16                         |
| 1908                                  | 17297  | 350                        | 304                         | 59                         |  | 12440  | 326                        | 235                          | 32                         |  |  |                            |                              |                            | 4887   | 116                        | 66                           | 16                         |
| 1909                                  | 17297  | 350                        | 304                         | 59                         |  | 12440  | 326                        | 235                          | 32                         |  |  |                            |                              |                            | 4887   | 116                        | 66                           | 16                         |
| 1910                                  | 17297  | 350                        | 304                         | 59                         |  | 12440  | 326                        | 235                          | 32                         |  |  |                            |                              |                            | 4887   | 116                        | 66                           | 16                         |

- NOTES—(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes, or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, etc., or the several localities. In small districts without recognised divisions of known population this Table need not be filled up.
- (b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns C of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table 1. as to meaning of terms “resident” and “non-resident.”)
- (c) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.
- (d) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables I. and IV.; thus, the totals of sub-column A, B, and C should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table I.; the gross total of the Sub-Columns C should agree with the total of column 2 in Table IV., and the gross total of sub-columns D with the figures in column 5 of Table I., and the total of column 3 in Table IV.



TABLE III.

Cases of Infectious Disease notified during the year 1905. Name of District Macclesfield.

| NOTIFIABLE DISEASE.   | Cases Notified in Whole District. |               |        |         |          |          |                |      | Total Cases Notified in each Locality. |    |    | No. of Cases removed to Hospital from each locality. |      |        |      |        |
|-----------------------|-----------------------------------|---------------|--------|---------|----------|----------|----------------|------|--|----|----|--|------|--------|------|--------|
|                       | At all Ages.                      | At Age—Years. |        |         |          |          |                |      | 1                                      | 2  | 3  | West   | East | Sutton |      |        |
|                       |                                   | Under 1       | 1 to 5 | 5 to 15 | 15 to 25 | 25 to 65 | 65 and upwards | West |  |    |    |  |      |        | East | Sutton |
|                       |                                   |               |        |         |          |          |                |      |  |    |    |  |      |        |      |        |
| Smallpox .....        | 6                                 | ..            | ..     | 1       | 4        | 1        | 1              | 1    | 2                                      | 3  | 1  | 2  | 3    |        |      |        |
| Diphtheria .....      | 12                                | ..            | 11     | 1       | ..       | ..       | 9              | 9    | 2                                      | 1  | 2  | 1  | ..   |        |      |        |
| Membranous Croup ..   | 2                                 | ..            | 2      | ..      | ..       | ..       | 1              | 1    | ..                                     | 1  | .. | ..   | ..   |        |      |        |
| Erysipelas .....      | 36                                | 1             | ..     | 3       | 1        | 22       | 9              | 22   | 8                                      | 6  | .. | ..   | ..   |        |      |        |
| Scarlet Fever .....   | 103                               | ..            | 33     | 65      | 2        | 3        | ..             | 74   | 16                                     | 13 | 56 | 9  | 9    |        |      |        |
| Enteric Fever .....   | 13                                | ..            | ..     | 4       | 5        | 4        | ..             | 7    | 5                                      | 1  | .. | ..   | ..   |        |      |        |
| Puerperal Fever ..... | 5                                 | ..            | ..     | ..      | 1        | 4        | ..             | 5    | ..                                     | .. | .. | ..   | ..   |        |      |        |
| Totals.....           | 177                               | 1             | 46     | 73      | 10       | 37       | 10             | 119  | 33                                     | 25 | 59 | 12   | 11   |        |      |        |

Notes.—The localities adopted for this table should be the same as those in Tables II. and IV.

State in space below the name of the Isolation hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. The name of the Authority by whom the hospital is provided should also be given. Mark (W) the locality in which a workhouse is situated.

\* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.

\* These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Isolation Hospital for Scarlet Fever, Diphtheria, &c., &c. Separate building in West Macclesfield for Smallpox.



TABLE IV.  
BOROUGH OF MACCLESFIELD.

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated causes in Weeks and Months under One Year  
of age.

| CAUSE OF DEATH.                                      | Under 1 Week. | 1-2 Weeks. | 2-3 Weeks. | Total under 1 Month. | 1-2 Months. | 2-3 Months. | 3-4 Months. | 4-5 Months. | 5-6 Months. | 6-7 Months. | 7-8 Months. | 8-9 Months. | 9-10 Months. | 10-11 Months. | 11-12 Months. | Total Deaths under One Year. |
|--|---------------|------------|------------|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|---------------|------------------------------|
| All causes :   |               |            |            |                      |             |             |             |             |             |             |             |             |              |               |               |                              |
| Certified .....                                      |               |            |            |                      |             |             |             |             |             |             |             |             |              |               |               | 112                          |
| Uncertified .....                                    |               |            |            |                      |             |             |             |             |             |             |             |             |              |               |               | 0                            |
| Whooping Cough .....                                 |               |            |            |                      |             |             |             |             | 1           | 1           | 2           | 1           | 1            |               | 4             | 10                           |
| Diarrhoea, all forms .....                           |               |            |            |                      | 1           | 3           | 1           | 1           | 2           | 1           |             | 1           |              |               | 1             | 15                           |
| Enteritis (not Tuberculous) .....                    |               |            |            |                      |             | 1           |             |             |             | 1           |             |             |              |               |               | 2                            |
| Gastritis, Gastro-intestinal Catarrh .....           |               | 1          | 1          | 2                    |             |             |             |             |             | 1           |             |             |              |               |               | 3                            |
| Premature Birth .....                                | 16            | 5          | 1          | 22                   | 1           |             |             |             |             |             |             |             |              |               |               | 23                           |
| Congenital Defects .....                             | 2             |            |            | 2                    |             |             |             |             |             |             |             |             |              |               |               | 2                            |
| Injury at birth .....                                | 1             |            |            | 1                    |             |             |             |             |             |             |             |             |              |               |               | 1                            |
| Atrophy, Debility, Marasmus .....                    | 2             | 1          |            | 3                    | 5           |             |             | 1           |             | 1           |             |             |              |               | 1             | 11                           |
| Tuberculous Meningitis .....                         |               |            |            |                      |             |             |             | 1           |             |             |             |             | 2            |               |               | 3                            |
| Tuberculous Peritonitis :<br>Tabes Mesenterica ..... |               |            |            |                      |             |             |             |             |             | 1           |             |             |              |               |               | 1                            |
| Other Tuberculous Diseases .....                     |               |            |            |                      | 2           | 1           |             |             |             |             | 1           | 2           | 1            |               |               | 7                            |
| Syphilis .....                                       |               |            | 1          | 1                    | 5           | 3           |             |             |             |             |             |             |              |               |               | 9                            |
| Convulsions .....                                    | 2             |            |            | 2                    | 2           |             | 1           | 1           |             |             |             | 1           |              |               |               | 6                            |
| Bronchitis .....                                     |               | 1          |            | 1                    |             |             |             |             |             |             | 1           | 1           | 1            | 1             |               | 5                            |
| Pneumonia .....                                      |               |            |            |                      |             |             |             |             | 1           |             |             | 2           |              | 1             | 2             | 6                            |
| Suffocation, overlaying .....                        |               |            |            |                      | 1           |             | 1           |             | 1           |             | 1           |             |              |               |               | 4                            |
| Other Causes .....                                   | 2             |            |            | 2                    | 1           |             | 2           | 1           |             |             |             |             | 2            |               | 1             | 9                            |
| Totals .....   | 25            | 8          | 3          | 36                   | 18          | 8           | 3           | 6           | 4           | 8           | 3           | 9           | 7            | 2             | 9             | 112                          |

Population estimated to middle of 1905....34,624.

Births in the year—703 legitimate, 48 illegitimate, total 751.

Illegitimate birth rate 1.3 per 1,000 of population.

Deaths from all Causes at all Ages 628.





# Annual Report

OF THE

## Medical Officer of Health

ON THE

## SANITARY CONDITIONS

OF THE

## MACCLESFIELD

## ❧ Rural District, ❧

### For the Year 1905.

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MACCLESFIELD :

HEATH BROS., PRINTERS, "TIMES" OFFICE.



*Names and Residences of the Rural District Councillors.*

---

- a Mr. Allen Cooke, Whiteley Green, Adlington, near Macclesfield.
  - a Rev. Canon Bell, J.P., Alderley Rectory, near Crewe.
  - a Mr. Henry Massey, Over Alderley, near Crewe.
  - a Mr. Simeon Massey, Birtles Old Hall Farm, Chelford, near Crewe.
  - a Mr. Frank Thompstone, Harrington House, Bosley, near Macclesfield.
  - a Mr. John Jackson, Butley, near Macclesfield.
  - a Mr. John Wright, Simons Wood, Siddington, near Crewe.
  - a Mr. Samuel Whitlow Bucktrout, Snelson, Chelford, near Crewe.
  - a Mr. John Walkden, Davenport House Farm, Chorley, Alderley Edge, near Manchester.
  - a Rev. Robert Moore Peile Butler, Eaton Vicarage, near Congleton.
  - a Mr. George Thomas Vernon, Sycamore Farm, Upton, near Macclesfield.
  - a Mr. John Thompstone, Gawsworth, near Macclesfield.
  - a Mr. Harry Edgar Smale, Hurdsfield Cotttage, Hurdsfield, near Macclesfield.
  - b Mr. Robert Bennett, Slater's Farm, Kettleshulme. near Stockport.
  - b Mr. Daniel Cooper Wheelton, Lower Nabs, Wildboardclough, near Macclesfield.
  - c Mr. John Blackshaw, Holly Bank, Marton, near Crewe.
  - c Mr. Ralph Powell, Mottram St. Andrew, Macclesfield.
  - c Mr. Enoch Clayton, North Rode Hall Farm, near Congleton
  - b Rev. Thomas Bridge, The Vicarage, Poynton, near Stockport.
  - b Mr. James Potts Goulden, Midway Farm, Poynton, near Stockport.
  - b Mr. Richard Lomas, Rainow, near Macclesfield.
  - b Mr. William Whiston, J.P., Clough House, Langley, near Macclesfield.
  - b Rev. Samuel Evans, Taxal, near Stockport.
  - b Mr. Henry Wallworth, Tytherington Old Hall, Tytherington, near Macclesfield.
  - b Mr. Edward Thompstone, Great Warford, Alderley Edge, near Manchester.
  - b Mr. George Holland, Yew Tree Farm, Woodford, near Stockport.
  - b Rev. Francis Foster Collin, The Vicarage, Wincle, near Macclesfield.
  - b Mr. Wm. James Trotter, Dale Brow Farm, Prestbury, near Macclesfield.
  - b Mr. John Venables, Old Withington, near Crewe.
  - b Mr. Wm. White, Lower Mitchell Fold, Pott Shrigley, Poynton, near Stockport.
- 

b Retire April, 1907. a Retire April, 1908. c Retire April, 1909.



TO THE CHAIRMAN AND MEMBERS,  
OF  
The Rural District Council,  
MACCLESFIELD.

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GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1905. May I say at the beginning that, owing to the instructions issued by the Local Government Board to Medical Officers of Health with regard to the framing of their reports, much repetition is inevitable. The instructions vary little and a rural district like this varies little, in the short space of twelve months, therefore much of what I have to say must be already familiar to you.

There have been registered 349 births (191 males 158 females) the natural increase for the year being 138.

The birth rate is 21.36 per 1,000 per annum, and the rate of mortality is 12.91 per 1,000 per annum. 21.8 per cent. of the total deaths were children under 5 years of age against 19.7 per cent. of last year. 37.91 per cent. were persons of 65 years and upwards against 36.94 per cent. of last year.

The rate of infant mortality measured by the porportion of deaths of children under one year of age, per 1,000, born is 97.41 against 86.45 of 1904. Of the total 36 deaths of children under 1 year of age, registered during the year, 6 were due to premature birth and 6 to convulsions. It is surprising that the latter cause is not responsible for more deaths when one thinks of the amazing ignorance displayed in the feeding of infants, the bread and milk, the rusks and soaked sago and the terrible concoctions of patent foods and thin gruel given under the name of "the bottle." In cases where breast feeding is impossible, or inadvisable, the mothers for some obscure reason distrust the sufficiency of milk and barley water, they complain that the child is "Always hungry," never seems satisfied or "so cross" and so they add a teaspoonful of some much advertised food or other just "to thicken the milk." When the inevitable results of injudicious feeding appear, the milk or the weather or the child's constitution is blamed—never the rubbish put into the child's stomach or the ignorance or indifference of the mother.

The rate of mortality of males of all ages per 1,000 of population is 7.03 and of females 5.87. There has been a slight increase in the number of deaths due to Tubercular Disease, Bronchitis and Pneumonia, 61 being returned from these causes against 45 of last year. Heart Disease on the contrary is responsible for only 27 deaths against 40 of last year.

The death rate from Zymotic Diseases per 1,000 of population is .18 against .12 of last year.

Deaths occurred at the following ages :—

|                                     |       |
|-------------------------------------|-------|
| Under 1 year.....                   | 36    |
| Between 1 year and 5 years .....    | 12    |
| Between 5 years and 15 years .....  | 4     |
| Between 15 years and 25 years ..... | 11    |
| Between 25 years and 65 years ..... | 68    |
| 65 years and upwards .....          | 80    |
|                                     | <hr/> |
|                                     | 211   |
|                                     | <hr/> |

The area of the District is 79,618 acres, with a population of (1901) 15,775.

It is divided into six sub-districts, i.e., Alderley, Bollington, Gawsworth, Prestbury, Rainow and Sutton and includes 37 townships. Its limits are in one direction 15 miles apart and its physical features present a variety only to be fully appreciated by residents in the district. On one side are Stone quarries and steep hill-land rising in places to a height of 1,600 feet and used chiefly for grazing purposes—and on the other gently sloping meadow and pasture land of excellent quality and very fertile.

Many of the roads are excellent as regards surface and have been improved by widening and levelling.

At the same time there are places where mere bye-paths across the open moors have to serve for all purposes of communication, and in the hills all roads may be rendered impassible in the course of a couple of hours by snow-drifts. There is no doubt that many cases of Infectious Disease escape notification owing to the difficulty in obtaining medical aid.

The sub-divisions of Alderley, Bollington, Gawsworth and Prestbury are speaking generally devoted to agriculture and dairy work. During the year I have visited many farms in connection with matters



relating to milk and its distribution, and have found that the conditions under which dairy work was carried out were as a rule quite satisfactory. Doubtless the lectures (under the County Council Scheme) have proved beneficial and much greater care is taken in the scalding of cans and utensils, and the personal cleanliness of persons connected in any way with the manipulation of milk than was formerly the case.

There is still room for improvement in the ventilation of cowsheds and the judicious grooming of cows.

The House Accommodation of the District is even in the more thickly populated townships good and clean and it is to be regretted that people should take such pains to exclude from their dwellings the very excellent air which exists throughout the whole 37 townships. Closed doors and hermetically sealed windows are still only too common.

As an instance of the improvement in house accommodation and sanitation generally, I may remark that less than ten years ago I was called to see a man, perfectly sane and not without means as money is reckoned in these parts—who resided in a one-roomed cottage—shed, perhaps would be a more appropriate word to use—the walls and floor of which were coated several inches thick with cow manure. The only ventilation was provided by the very small door and chimney. Fowls roosted on the rafters and there was no drainage or sanitary convenience of any description.

The man was a farmer on a small scale and his butter, made entirely by himself on the premises I have described, had a reputation for excellence. It is I think only fair to say that in no part of the District does such a state of things exist to day.

**SEWERAGE, DRAINAGE AND EXCREMENT DISPOSAL.**—In the greater part of the District there is no deep sewerage system—on the farms the midden system prevails and at the cottages the sewage goes directly on to the land. Earth closets are general and these are emptied more or less frequently, and the collection used locally as manure.

In these country districts this method of disposal is excellent and if properly carried out free from defects. Poynton possesses in some parts a water carriage system which communicates with the general sewage scheme of the district.

**WATER SUPPLY.**—In many parts of Rainow and Sutton excellent water is obtained from springs at the base of high hills. Langley has a supply distributed to consumers from a receiving cistern by means of pipes, and Poynton has a similar supply. Prestbury depends mainly on dip-wells. Gawsworth is not well-supplied.

On the receipt of notifications of Infectious Disease, visits have been made to the houses and localities where such outbreaks occurred and careful investigation made to discover the source of infection. Instructions have been given to householders as to the disposal of refuse and the proper cleansing of utensils and clothing used by persons suffering from fever, etc. Disinfectants have also been supplied.

Systematic inspection of the district has been made apart from visits required by particular outbreaks of Disease, and where a nuisance injurious to health existed steps have been taken for its abatement.

79 cases of Infectious Disease were reported during the year. 7 of Diphtheria, 5 of Erysipelas, 8 Enteric and 59 Scarlet Fever. At first it would appear that this is a somewhat large number of Scarlet Fever but 30 of the 59 cases occurred in one township, many of them being traceable to an outbreak in which an entire family of 9 people were down with the disease before medical assistance was procured. Only 3 deaths have occurred from Infectious Disease, two of these being children under 5 years of age.

Measles and Whooping cough have been prevalent more or less throughout the district and it has been necessary on account of these ailments, and of course occasional outbreaks of other infectious diseases, to close schools in various townships for periods varying from 2 to 6 weeks. In thinly populated districts where children meet seldom, except at or on the way to and from school there is no doubt that school closure is efficacious in checking the spread of disease. In one instance a school was closed owing to a child attending whilst in the peeling stage of Scarlet Fever—needless to say cleansing and disinfection followed the closure.

On two occasions Infectious Disease has occurred at the post office of a district. Scarlet Fever at Mottram St. Andrew and Diphtheria at Rainow. Efficient isolation of the patient was possible in each case and by arrangement with the authorities all postal work was transferred for a time to other premises. In neither case was the source of infection traceable nor was there any further spread of the disease.

Under the Factory and Workshop Act, 1901, visits of inspection have been made to 6 factories, 3 Workshops, and 31 home workers' premises. In only one instance was there any nuisance caused by insufficient sanitary accommodation and this was promptly remedied. Three lists of outworkers have been received and it was found that the conditions under which the work was done were in every way satisfactory.



A special report has been made to the County Medical Officer in accordance with the provisions of the midwives Act.

Tables relating to Vital Statistics and Infectious Disease in relation to Sub-districts will be found at the end of this report.

I am, Gentlemen,

Your obedient Servant,

JOHN L. RUSHTON, M.D.

Macclesfield.

7th February, 1906.

BIRTH AND DEATH RATE FOR TEN YEARS.

8

| YEAR. | BIRTH RATE.     | DEATH RATE.     | ZYMOTIC DEATH RATE. |
|-------|-----------------|-----------------|---------------------|
| 1896  | .... 22.36 .... | .... 13.14 .... | .... .33 ....       |
| 1897  | .... 23.83 ...  | .... 13.33 ..   | .... .63 ....       |
| 1898  | .... 25.27 .... | .... 14.08 .... | .... .17 ....       |
| 1899  | .... 21.94 .... | .... 14.48 .... | .... .28 ....       |
| 1900  | .... 22.73 .... | .... 11.03 .... | .... .21 ....       |
| 1901  | .... 20.11 .... | .... 11.48 .... | .... .107 ....      |
| 1902  | .... 21.93 .... | .... 10.59 .... | .... .25 ..         |
| 1903  | .... 21.0 ....  | .... 11.99 .... | .... .37 ....       |
| 1904  | .... 21.55 ...  | .... 12.61 .... | .... .12 ....       |
| 1905  | .... 21.36 .... | .... 12.91 .... | .... .18 ....       |

# INQUESTS IN THE RURAL COUNCIL DISTRICT OF MACCLESFIELD IN 1905.

9

| No. | Sub-District. | Township.           | Date.     | Sex | Age    | Supposed Cause of Death.  |
|-----|---------------|---------------------|-----------|-----|--------|---|
| 1   | Rainow        | Rainow              | Janr. 3.  | F   | 8      | Acute Enteritis.  |
| 2   | Gawsworth     | Marton              | " 8.      | F   | 1      | Asphyxia due to Convulsions and Bronchitis.                             |
| 3   | Rainow        | Macclesfield Forest | " 17.     | M   | 49     | Syncope due to acute Pneumonia.   |
| 4   | Prestbury     | Poynton-with-worth  | March 13. | M   | 65     | Heart Failure.  |
| 5   | Rainow        | Saltersford         | April 12. | F   | 39     | Accidental suffocation during an Epileptic Fit.                         |
| 6   | Gawsworth     | Bosley              | " 15.     | M   | 15     | Injuries caused by falling against a railway truck.                     |
| 7   | Prestbury     | Poynton-with-worth  | " 23.     | F   | 86     | Exhaustion and Chronic Bright's Disease.                                |
| 8   | Gawsworth     | Gawsworth           | " 25.     | M   | 32     | Suicide by Drowning.  |
| 9   | Sutton        | Sutton              | May 10.   | M   | 53     | Suicide by Strangulation.   |
| 10  | Prestbury     | Poynton-with-worth  | June 17.  | F   | 2 days | Natural Causes.   |
| 11  | Sutton        | Langley             | July 27.  | F   | 9      | Infantile Convulsions.  |
| 12  | Sutton        | Wildboardclough     | August 2. | M   | 9 mon. | Convulsions due to teething.  |
| 13  | Rainow        | Taxal               | " 6.      | M   | 42     | Heart Disease.  |
| 14  | Sutton        | Langley             | Sept. 8.  | M   | 17     | Tuberculous Meningitis.   |
| 15  | Rainow        | Rainow              | Nov. 10.  | M   | 1      | Fractured Skull caused by falling downstairs.                           |
| 16  | Bollington    | Higher Hurdsfield   | " 11.     | M   | 77     | Found dead in bed—death being due to Syncope.                           |
| 17  | Sutton        | Wincle              | " 18.     | M   | 73     | Found dead—death being due to Syncope accelerated by cold and exposure. |

TABLE 1.  
FOR WHOLE DISTRICT.

| Year   | Population<br>estimated<br>to<br>Middle<br>of each<br>Year | Births |        | Deaths under<br>1 year of age |  | Deaths at all ages<br>Total |        |
|--|--|--------|--------|-------------------------------|--|-----------------------------|--------|
|  |  | Number | Rate * | Number                        | Rate per<br>1,000<br>Births<br>reg-<br>istered.<br>6 | Number                      | Rate * |
| 1  | 2  | 3      | 4      | 5                             | 6  | 7                           | 8      |
| 1895   | 17633  | 430    | 24.3   | 46                            | 106.97   | 265                         | 15.02  |
| 1896   | 17797  | 398    | 22.36  | 42                            | 105.52   | 234                         | 13.14  |
| 1897   | 17079  | 413    | 23.83  | 29                            | 70.21  | 231                         | 13.33  |
| 1898   | 18170  | 435    | 25.27  | 44                            | 101.14   | 244                         | 14.08  |
| 1899   | 18212  | 383    | 21.94  | 44                            | 114.8  | 251                         | 14.48  |
| 1900   | 18389  | 418    | 22.73  | 31                            | 74.1   | 203                         | 11.03  |
| 1901   | 18454  | 373    | 20.11  | 39                            | 104.5  | 213                         | 11.48  |
| 1902   | 15933  | 350    | 21.31  | 26                            | 74.28  | 169                         | 10.59  |
| 1903   | 16092  | 338    | 21.00  | 26                            | 76.92  | 193                         | 11.99  |
| 1904   | 16270  | 347    | 21.55  | 34                            | 86.45  | 203                         | 12.61  |
| Aver-<br>ages<br>for<br>years<br>1895-<br>1904 | 17402.9  | 423.4  | 22.57  | 35.7                          | 91.23  | 220.6                       | 12.77  |
| 1905   | 16408  | 349    | 21.36  | 34                            | 97.41  | 211                         | 12.91  |

\* Rates calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division.



TABLE II.

| Names of Localities                     | 1 ALDERLEY.   |                   |                    |                      | 2 BOLLINGTON.                                       |                    |                     |                      | 3 GAWSWORTH.   |                    |                     |                      | 4 PRESTBURY.   |                   |                     |                      | 5 RAINOW.  |                   |                     |                      | 6 SUTTON.  |                    |                     |                      |
|---|---|-------------------|--------------------|----------------------|---|--------------------|---------------------|----------------------|--|--------------------|---------------------|----------------------|--|-------------------|---------------------|----------------------|--|-------------------|---------------------|----------------------|--|--------------------|---------------------|----------------------|
|   | a.  | b.                | c.                 | d.                   | a.  | b.                 | c.                  | d.                   | a.   | b.                 | c.                  | d.                   | a.   | b.                | c.                  | d.                   | a.   | b.                | c.                  | d.                   | a.   | b.                 | c.                  | d.                   |
| Year.                                   | Population esti-<br>mated to middle of<br>each year | Births registered | Deaths at all ages | Deaths under 1 year. | Population esti-<br>mated to middle of<br>each year | Births registered. | Deaths at all ages. | Deaths under 1 year. | Population esti-<br>mated to middle of<br>each year. | Births registered. | Deaths at all ages. | Deaths under 1 year. | Population esti-<br>mated to middle of<br>each year. | Births registered | Deaths at all ages. | Deaths under 1 year. | Population esti-<br>mated to middle of<br>each year. | Births registered | Deaths at all ages. | Deaths under 1 year. | Population esti-<br>mated to middle of<br>each year. | Births registered. | Deaths at all ages. | Deaths under 1 year. |
| 1895                                    | 3020  | 83                | 60                 | 12                   | 2886  | 75                 | 52                  | 11                   | 2729   | 64                 | 32                  | 4                    | 5052   | 124               | 71                  | 12                   | 2133   | 46                | 31                  | 3                    | 1813   | 38                 | 19                  | 4                    |
| 1896                                    | 3045  | 61                | 36                 | 8                    | 2907  | 54                 | 33                  | 4                    | 2755   | 63                 | 37                  | 5                    | 5098   | 115               | 69                  | 12                   | 2156   | 58                | 35                  | 6                    | 1836   | 47                 | 24                  | 7                    |
| 1897                                    | 3089  | 74                | 30                 | 2                    | 2924  | 61                 | 44                  | 2                    | 2792   | 70                 | 33                  | 5                    | 5171   | 136               | 63                  | 12                   | 2155   | 33                | 34                  | 6                    | 1848   | 39                 | 27                  | 2                    |
| 1898                                    | 3121  | 65                | 33                 | 6                    | 2950  | 70                 | 44                  | 11                   | 2827   | 68                 | 33                  | 6                    | 5212   | 127               | 86                  | 12                   | 2193   | 59                | 21                  | 3                    | 1867   | 46                 | 27                  | 6                    |
| 1899                                    | 3124  | 66                | 45                 | 8                    | 2956  | 57                 | 44                  | 6                    | 2830   | 57                 | 33                  | 2                    | 6537   | 126               | 72                  | 18                   | 2195   | 49                | 32                  | 3                    | 1870   | 34                 | 25                  | 7                    |
| 1900                                    | 3154  | 61                | 31                 | 4                    | 2973  | 41                 | 24                  | 4                    | 2860   | 57                 | 27                  | 2                    | 6324   | 151               | 64                  | 13                   | 2237   | 56                | 24                  | 3                    | 1889   | 52                 | 33                  | 5                    |
| 1901                                    | 3167  | 69                | 37                 | 4                    | 2971  | 23                 | 24                  | 2                    | 2884   | 83                 | 27                  | 8                    | 6353   | 120               | 67                  | 18                   | 2238   | 42                | 29                  | 4                    | 1889   | 36                 | 29                  | 3                    |
| 1902                                    | 2838  | 68                | 27                 | 2                    | 1317  | 23                 | 12                  | 1                    | 2690   | 61                 | 19                  | 6                    | 5182   | 108               | 64                  | 12                   | 2049   | 45                | 23                  | 3                    | 1765   | 45                 | 24                  | 2                    |
| 1903                                    | 2872  | 67                | 43                 | 4                    | 1332  | 28                 | 14                  | 2                    | 2721   | 51                 | 30                  | 9                    | 5228   | 115               | 62                  | 5                    | 2064   | 34                | 24                  | 5                    | 1783   | 43                 | 20                  | 4                    |
| 1904                                    | 2909  | 67                | 42                 | 5                    | 1347  | 23                 | 18                  | 3                    | 2739   | 45                 | 26                  | 5                    | 5286   | 116               | 71                  | 8                    | 2084   | 45                | 24                  | 2                    | 1813   | 51                 | 22                  | 7                    |
| Averages<br>of Years<br>1895 to<br>1904 | 3033.9  | 68.1              | 38.4               | 5.5                  | 2456.3  | 45.5               | 30.9                | 4.6                  | 2782.7   | 61.9               | 29.7                | 4.9                  | 5544.3   | 123.8             | 68.9                | 12.4                 | 2150.4   | 46.7              | 27.7                | 3.8                  | 1837.3   | 43.1               | 25                  | 4.7                  |
| 1905                                    | 2938  | 81                | 43                 | 6                    | 1349  | 21                 | 19                  | 1                    | 2766   | 50                 | 22                  | 8                    | 5335   | 117               | 68                  | 14                   | 2094   | 46                | 34                  | 4                    | 1834   | 34                 | 25                  | 3                    |

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1905.

| NOTIFIABLE DISEASES.       | CASES NOTIFIED IN WHOLE DISTRICT |                |        |         |          |          | TOTAL CASES NOTIFIED IN EACH LOCALITY. |             |            |            |         |             |
|----------------------------|----------------------------------|----------------|--------|---------|----------|----------|--|-------------|------------|------------|---------|-------------|
|                            | At all Ages                      | All ages—years |        |         |          |          | Alderley.                              | Bollington. | Gawsworth. | Prestbury. | Rainow. | Sutton (H.) |
|                            |                                  | Under 1        | 1 to 5 | 5 to 15 | 15 to 25 | 25 to 65 |  |             |            |            |         |             |
| Small-pox . . . . .        | ...                              | ...            | ...    | ...     | ...      | ...      | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Cholera . . . . .          | 7                                | 2              | 2      | 2       | 1        | ...      | ...                                    | 1           | 1          | 4          | ...     | 1           |
| Diphtheria . . . . .       | ...                              | ...            | ...    | ...     | ...      | ...      | 2                                      | 1           | ...        | ...        | 2       | ...         |
| Membranous croup . . . . . | 5                                | ...            | ...    | 1       | 4        | ...      | 6                                      | 2           | 13         | 4          | 30      | 4           |
| Erysipelas . . . . .       | 59                               | 1              | 10     | 40      | 5        | 3        | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Scarlet Fever . . . . .    | ...                              | ...            | ...    | ...     | ...      | ...      | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Typhus Fever . . . . .     | 8                                | ...            | ...    | 1       | 2        | 4        | 1                                      | 1           | ...        | ...        | ...     | 6           |
| Enteric Fever . . . . .    | ...                              | ...            | ...    | ...     | ...      | ...      | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Relapsing Fever . . . . .  | ...                              | ...            | ...    | ...     | ...      | ...      | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Continued Fever . . . . .  | ...                              | ...            | ...    | ...     | ...      | ...      | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Puerperal Fever . . . . .  | ...                              | ...            | ...    | ...     | ...      | ...      | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Plague . . . . .           | ...                              | ...            | ...    | ...     | ...      | ...      | ...                                    | ...         | ...        | ...        | ...     | ...         |
| Totals . . . . .           | 79                               | 1              | 12     | 43      | 10       | 12       | 9                                      | 4           | 14         | 5          | 36      | 11          |

Isolation Hospital, Greerway. Higher Sutton, for Small-pox cases only.

TABLE IV.

Causes of, and Ages at, Death during Year 1905.

| CAUSES OF DEATH.                                | DEATHS IN WHOLE<br>DISTRICT AT<br>SUBJOINED AGES. |              |             |              |               |               |              | DEATHS IN<br>LOCALITIES<br>(AT ALL AGES) |             |            |            |         |         |
|---|---|--------------|-------------|--------------|---------------|---------------|--------------|--|-------------|------------|------------|---------|---------|
|   | All Ages.   | Under 1 year | 1 & under 5 | 5 & under 15 | 15 & under 25 | 25 & under 65 | 65 & upwards | Alderley.                                | Bollington. | Gawsworth. | Prestbury. | Rainow. | Sutton. |
| Small-pox .....                                 | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Measles .....                                   | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Scarlet fever .....                             | 1   | .....        | 1           | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | 1       | .....   |
| Whooping-cough ..                               | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Diphtheria and mem-<br>branous croup .....      | 1   | .....        | 1           | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | 1       | .....   |
| Croup .....                                     | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Fever {   | 1   | .....        | .....       | .....        | .....         | 1             | .....        | .....                                    | .....       | .....      | .....      | .....   | 1       |
|   |   |              |             |              |               |               |              |  |             |            |            |         |         |
|   |   |              |             |              |               |               |              |  |             |            |            |         |         |
|   |   |              |             |              |               |               |              |  |             |            |            |         |         |
| Epidemic influenza ..                           | 2   | .....        | .....       | .....        | 1             | 1             | .....        | .....                                    | .....       | .....      | 1          | 1       | .....   |
| Cholera .....                                   | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Plague .....                                    | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Diarrhœa .....                                  | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Enteritis .....                                 | 4   | 2            | .....       | 1            | .....         | .....         | 1            | 2  | .....       | .....      | .....      | 2       | .....   |
| Puerperal fever .....                           | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Erysipelas .....                                | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Other septic diseases                           | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Phthisis .....                                  | 10  | .....        | .....       | .....        | .....         | 9             | 1            | 2  | 2           | 1          | 1          | 1       | 3       |
| Other tubercular dis-<br>eases .....            | 11  | .....        | 3           | 1            | 2             | 4             | 1            | 2  | 1           | .....      | 3          | 3       | 2       |
| Cancer, malignant<br>disease .....              | 18  | .....        | .....       | .....        | .....         | 8             | 10           | 8  | 1           | 3          | 5          | 1       | .....   |
| Bronchitis .....                                | 20  | 1            | 1           | .....        | 3             | .....         | 15           | 5  | 3           | 1          | 6          | 4       | 1       |
| Pneumonia .....                                 | 20  | 4            | 3           | 1            | 1             | 9             | 2            | 3  | .....       | .....      | 8          | 5       | 4       |
| Pleurisy .....                                  | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Other diseases of Res-<br>piratory organs ..... | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Alcoholism                                      | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Cirrhosis of Liver }                            | 2   | .....        | .....       | .....        | .....         | .....         | 2            | .....                                    | 1           | .....      | 1          | .....   | .....   |
| Venereal diseases .....                         | .....   | .....        | .....       | .....        | .....         | .....         | .....        | .....                                    | .....       | .....      | .....      | .....   | .....   |
| Premature birth .....                           | 6   | 6            | .....       | .....        | .....         | .....         | .....        | .....                                    | 1           | 2          | 2          | 1       | .....   |
| Diseases & accidents<br>of parturition .....    | 2   | .....        | .....       | .....        | .....         | 2             | .....        | .....                                    | 1           | .....      | 1          | .....   | .....   |
| Heart diseases .....                            | 27  | .....        | .....       | .....        | 1             | 11            | 15           | 5  | 2           | .....      | 11         | 4       | 5       |
| Accidents .....                                 | 2   | .....        | 1           | .....        | 1             | .....         | .....        | .....                                    | .....       | 1          | .....      | 1       | .....   |
| Suicides .....                                  | 2   | .....        | .....       | .....        | .....         | 2             | .....        | .....                                    | .....       | 1          | .....      | .....   | 1       |
| All other causes .....                          | 82  | 23           | 2           | 1            | 2             | 21            | 33           | 16                                       | 7           | 13         | 29         | 9       | 8       |
| All causes ..                                   | 211   | 36           | 12          | 4            | 11            | 68            | 80           | 43                                       | 19          | 22         | 68         | 34      | 25      |



TABLE V.  
MACCLESFIELD RURAL COUNCIL DISTRICT.

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated causes in Weeks and Months under One Year of age.

| CAUSE OF DEATH                                   | Under 1 Week | 1—2 Weeks | 2—3 Weeks | Total under 1 Month | 1—2 Months | 2—3 Months | 3—4 Months | 4—5 Months | 5—6 Months | 7—8 Months | 8—9 Months | 9—10 Months | 10—11 Months | 11—12 Months | Total Deaths under 1 Year |
|--|--------------|-----------|-----------|---------------------|------------|------------|------------|------------|------------|------------|------------|-------------|--------------|--------------|---------------------------|
| All Causes.                                      |              |           |           |                     |            |            |            |            |            |            |            |             |              |              |                           |
| • Certified .. .. .                              | 10           | 3         | 1         | 14                  | 6          | 4          | 3          | 3          | 1          | 1          | 1          | 1           | 1            | 1            | 36                        |
| Diarrhœal Diseases                               |              |           |           |                     |            |            |            |            |            |            |            |             |              |              |                           |
| Enteritis (not Tuberculous) .. .                 |              |           |           |                     |            |            | 1          | 1          |            |            |            |             |              |              | 2                         |
| Gastritis, Gastrointestinal Catarrh .. .         |              |           |           |                     |            | 1          |            |            |            |            |            |             |              |              | 1                         |
| Wasting Diseases.                                |              |           |           |                     |            |            |            |            |            |            |            |             |              |              |                           |
| Premature Birth .. .                             | 4            | 1         |           | 5                   |            | 1          |            |            |            |            |            |             |              |              | 6                         |
| Congenital Defects .. .                          |              |           |           |                     |            | 1          |            |            |            |            |            |             |              |              | 1                         |
| Atrophy, Debility, Marasmus .. .                 | 1            |           |           | 1                   | 1          | 1          |            |            |            |            |            |             | 1            |              | 4                         |
| Tuberculous Diseases.                            |              |           |           |                     |            |            |            |            |            |            |            |             |              |              |                           |
| Tuberculous Peritonitis : Tabes Mesenterica .. . |              |           |           |                     | 1          |            | 1          |            |            |            |            |             |              |              | 2                         |
| Syphilis .. .                                    |              |           |           |                     |            |            |            | 1          |            |            |            |             |              |              | 1                         |
| Rickets .. .                                     |              |           |           |                     |            |            |            | 1          |            |            |            |             |              |              | 1                         |
| Meningitis (not Tuberculous) .. .                |              |           | 1         | 1                   |            |            |            |            |            |            |            |             |              |              | 1                         |
| Convulsions .. .                                 | 2            | 1         |           | 3                   | 2          |            | 1          |            |            |            |            |             |              |              | 6                         |
| Bronchitis .. .                                  |              |           |           |                     |            |            |            |            |            | 1          |            |             |              |              | 1                         |
| Pneumonia .. .                                   |              |           |           |                     | 1          |            |            |            | 1          |            | 1          |             |              | 1            | 4                         |
| Other Causes .. .                                | 3            | 1         |           | 4                   | 1          |            |            |            |            |            |            | 1           |              |              | 6                         |

Births in the year, Legitimate 344 ; Illegitimate 5.

Deaths from all Causes at all Ages 211.

Population Estimated to middle of 1905, 16,408.



# Annual Report of the Medical Officer of Health for the year 1905,

FOR THE

## RURAL DISTRICT OF MACCLESFIELD

On the administration of the Factory and Workshop Act, 1901, in connection with Factories, Workshops, Laundries, Workplaces and Homework.

### 1.—Inspection.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

|  | Inspections. |           |
|--|--------------|-----------|
| Factories (Including Factory Laundries) .....  | 6            |           |
| Workshops (Including Workshop Laundries) ..... | 3            |           |
| Homeworkers' Premises .....                    | 31           |           |
|  | —            |           |
| Total ..                                       | 40           |           |
|  | —            |           |
|  | Found.       | Remedied. |
| Sanitary accommodation, insufficient .....     | 1            | 1         |
|  | —            | —         |
| Total .. ..                                    | 1            | 1         |

## OUTBREAKS OF INFECTIOUS DISEASES DURING 1905.

| No. of Case | Page in Report Book | Date 1905 | Sub-District | Township      | Initials | Disease | No. in Family | No. Seized | Age | Source of Infection | In-cidence | Sequence  | Remarks          |
|-------------|---------------------|-----------|--------------|---------------|----------|---------|---------------|------------|-----|---------------------|------------|-----------|------------------|
| 1           | 31                  | Jan. 9    | Sutton       | W'boarclough  | P.M.     | Scarlet | ..            | ..         | 6   | ..                  | Jan.       | Recovered | Sanitary Good.   |
| 2           | 31                  | " 10      | Gawsworth    | Marton        | L.M.     | "       | 4             | 1          | 16  | Not traceable       | "          | "         | Removed to Hos.  |
| 3           | 31                  | " 11      | "            | "             | "        | "       | 9             | 1          | 14  | Capesthorne Hall    | "          | Recovery  | Conditions Good  |
| 4           | 32                  | " 19      | Gaw'worth    | Marton        | S.F.     | "       | 9             | 1          | 4   | To former case      | "          | "         | "                |
| 5           | "                   | " 19      | "            | "             | "        | "       | 9             | 1          | 6   | No. 39              | "          | "         | "                |
| 6           | "                   | " 29      | Bollington   | H. Hurdfield  | G.W.     | Enteric | 4             | 1          | 13  | Not traceable       | "          | "         | Conditions Fair  |
| 7           | "                   | " 7       | Prestbury    | Prestbury     | T.H.     | Scarlet | 4             | 1          | 12  | School Boy          | Feb.       | "         | Good             |
| 8           | 33                  | " 9       | Rainow       | Rainow        | D.M.     | "       | 5             | 1          | 18  | Warrington          | "          | "         | Sanitary Defects |
| 9           | 34                  | " 17      | Gaw'worth    | Eaton         | R.W.     | "       | 7             | 1          | 10  | Not traceable       | "          | "         | Sanitary Good    |
| 10          | "                   | " 17      | "            | "             | R.A.     | "       | 8             | 1          | 8   | Mild Cases          | "          | "         | "                |
| 11          | "                   | " 23      | "            | L. Marton     | K.R.     | "       | 8             | 1          | 15  | To former case      | "          | "         | "                |
| 12          | 35                  | Mar. 2    | "            | Henbury       | H.E.     | "       | 4             | 1          | 3   | Not traceable       | Mar.       | Recovered | Good             |
| 13          | "                   | " 2       | "            | "             | H.M.     | "       | 4             | 1          | 6   | "                   | "          | "         | "                |
| 14          | 36                  | " 8       | Sutton       | Langley       | D.R.     | "       | 9             | 1          | 14  | School Girl         | "          | "         | "                |
| 15          | "                   | " 14      | Rainow       | Rainow        | O.G.     | "       | 6             | 1          | 7   | To Bollington       | "          | "         | "                |
| 16          | "                   | " 22      | Rainow       | Swanscoe      | J.M.     | "       | 6             | 1          | 8   | To Polluted         | "          | "         | "                |
| 17          | 37                  | " 24      | H. Sutton    | Oak Grove     | P.Mrs.   | Typhoid | 4             | 1          | 40  | Water from Canal    | Mar. 22    | Died      | "                |
| 18          | "                   | " 24      | "            | "             | P.Mr.    | "       | 4             | 1          | 68  | Not traceable       | "          | Recovered | "                |
| 19          | "                   | Apr. 1    | Prestbury    | M. St. An'w   | G.E.     | Scarlet | 6             | 1          | 9   | Not traceable       | "          | "         | "                |
| 20          | "                   | " 2       | Rainow       | S'coe Farm    | J.J.     | "       | 6             | 1          | 7   | No. 1st case        | Apr.       | "         | "                |
| 21          | 38                  | " 3       | Alderley     | Alderley Park | J.C.     | "       | 7             | 1          | 20  | To Rainow           | "          | "         | "                |
| 22          | "                   | " 6       | Rainow       | Rainow        | M.H.     | "       | 11            | 1          | 9   | To School           | "          | "         | "                |
| 23          | "                   | " 10      | "            | "             | O.P.     | "       | 11            | 1          | 5   | To National Sch.    | "          | "         | "                |
| 24          | "                   | " 10      | "            | "             | G.C.     | "       | 5             | 1          | 3   | No. 22              | "          | "         | "                |
| 25          | 39                  | " 11      | "            | "             | C.M.     | "       | 5             | 1          | 5   | Not traceable       | "          | "         | "                |
| 26          | 40                  | " 11      | Gaw'worth    | Henbury       | D.D.     | "       | 5             | 1          | 5   | Not traceable       | "          | "         | "                |
| 27          | "                   | " 18      | Rainow       | Rainow        | R.F.     | "       | 5             | 1          | 3   | To No. 23           | "          | "         | "                |

# OUTBREAKS OF INFECTIOUS DISEASES DURING 1905.

17

| No. of Case | Page in Report Book | Date 1905 | Sub-District | Township      | Initials | Disease    | No. in Family | No. Seized | Age  | Source of Infection | In-cidence | Sequence  | Remarks         |
|-------------|---------------------|-----------|--------------|---------------|----------|------------|---------------|------------|------|---------------------|------------|-----------|-----------------|
| 29          | 41                  | May 2     | Lane Ends    | Sutton        | B.A.     | Enteric    | 3             | 1          | 25   | Not traceable       | May 1      | Recovered | Conditions Good |
| 30          | "                   | " 10      | Sutton       | Lane Ends     | R.N.     | Typhoid    | 8             | 1          | 38   | Not traceable       | " 7        | "         | "               |
| 31          | "                   | " 11      | Rainow       | "             | B.C.     | Scarlet    | 3             | 1          | 5    | To No. 23           | " 10       | "         | "               |
| 32          | 42                  | " 12      | Sutton       | Lane Ends     | B.W.     | Enteric    | 3             | 1          | 37   | Not traceable       | " 10       | "         | "               |
| 33          | "                   | " 13      | Rainow       | "             | B.A.     | Scarlet    | 6             | 1          | 4    | "                   | " 10       | "         | "               |
| 34          | "                   | " 13      | Prestbury    | M'ram St. A.  | F.J.W.   | "          | 6             | 1          | 9    | "                   | " 12       | "         | "               |
| 35          | "                   | " 13      | "            | "             | F.A.H.   | "          | 6             | 1          | 4    | "                   | " 12       | "         | "               |
| 36          | "                   | " 13      | Rainow       | "             | C.V.     | "          | 6             | 1          | 13   | To Manchester       | " 12       | "         | "               |
| 37          | 43                  | " 15      | Alderley     | Gt. Warford   | G.E.     | "          | 1             | 1          | 7    | "                   | " 14       | "         | Removed to Hos. |
| 38          | "                   | " 16      | "            | "             | S.U.     | "          | 1             | 1          | 9    | Manchester          | " 14       | "         | "               |
| 39          | "                   | " 21      | Rainow       | "             | B.J.C.   | "          | 1             | 1          | 5    | "                   | " 16       | "         | Conditions Good |
| 40          | "                   | " 21      | "            | "             | B.F.     | "          | 1             | 1          | 25   | "                   | " 16       | "         | "               |
| 41          | "                   | " 11      | Bollington   | Lyme          | B.G.     | "          | 1             | 1          | 7    | "                   | " 16       | "         | "               |
| 42          | 44                  | June 6    | Sutton       | Lane Ends     | W.W.     | Enteric    | 8             | 1          | 18   | Not traceable       | June 5     | "         | Conditions Fair |
| 43          | "                   | " 12      | Alderley     | Gt. Warford   | R.W.     | Scarlet    | 7             | 1          | 2    | Drainage            | " 5        | "         | "               |
| 44          | "                   | " 14      | "            | Withington    | A.R.     | Typhoid    | 7             | 1          | 24   | "                   | " 13       | "         | "               |
| 45          | "                   | " 22      | "            | Gt. Warford   | R.M.     | Scarlet    | 7             | 1          | 8    | Drainage            | " 20       | "         | "               |
| 46          | "                   | " 22      | "            | "             | R.F.     | "          | 7             | 1          | 9    | To No. 43           | " 21       | "         | "               |
| 47          | "                   | " 22      | Rainow       | Ingersley Rd. | O.Mrs.   | Erysipelas | 1             | 1          | 55   | "                   | " 21       | "         | "               |
| 48          | "                   | July 21   | "            | Rainow        | B.C.     | Scarlet    | 4             | 1          | 1 w. | "                   | July 19    | "         | Fair            |
| 49          | 45                  | " 26      | Sutton       | Lane Ends     | S.J.     | Diphtheria | 6             | 1          | 23   | Not traceable       | " 24       | "         | Removed to Hos. |
| 50          | "                   | Aug. 1    | Gaw'worth    | Eaton         | B.S.A.   | Scarlet    | 6             | 1          | 12   | Bad Smells          | " 24       | "         | Temporary Hos.  |
| 51          | "                   | " 8       | "            | "             | B.H.E.   | "          | 6             | 1          | 14   | No Drain            | " 24       | "         | Conditions Good |
| 52          | "                   | " 27      | "            | "             | S.A.     | "          | 8             | 1          | 22   | Not traceable       | Aug. 24    | "         | "               |
| 53          | "                   | " 28      | Rainow       | "             | G.H.     | "          | 1             | 1          | 11   | To No. 23           | " 26       | "         | "               |
| 54          | "                   | " 29      | "            | "             | G.E.     | "          | 1             | 1          | 3    | "                   | " 26       | "         | "               |
| 55          | "                   | Sept 6    | "            | "             | G.C.     | "          | 1             | 1          | 10   | To No. 28           | Sept. 5    | "         | "               |

## OUTBREAKS OF INFECTIOUS DISEASES DURING 1905.

| No. of Case | Page in Report Book | Date 1905 | Sub-District | Township     | Initials | Disease    | No. in Family | No. Seized | Age | Source of Infection | In-cidence | Sequence  | Remarks               |
|-------------|---------------------|-----------|--------------|--------------|----------|------------|---------------|------------|-----|---------------------|------------|-----------|-----------------------|
| 56          | ..                  | Sept. 6   | Rainow       | Rainow       | G.P.     | Scarlet    |               | 1          | 8   | To No. 28           | Sept. 5    | Recovered | Conditions Good       |
| 57          | ..                  | " 6       | "            | "            | G.E.     | "          |               | 1          | 7   | "                   | "          | "         | "                     |
| 58          | ..                  | " 10      | "            | "            | B.A.     | Erysipelas |               | 1          | 23  | "                   | "          | "         | "                     |
| 59          | ..                  | " 14      | "            | "            | S.O.M.   | Diphtheria | 4             | 1          | 18  | Not traceable       | Sept. 13   | "         | Very Good             |
| 60          | ..                  | " 27      | Bollington   | H. Hurdfield | M.D.C.   | Scarlet    | 4             | 1          | 12  | To School           | " 26       | "         | Good                  |
| 61          | ..                  | " 27      | Gaw'worth    | North Rode   | W.E.     | Diphtheria | 7             | 1          | 38  | Not traceable       | " 20       | "         | "                     |
| 62          | ..                  | Oct. 1    | Alderley     | Warford      | L.Mrs.   | Erysipelas | 6             | 1          | 30  | To School           | "          | "         | Not Satisfactory      |
| 63          | ..                  | " 11      | Rainow       | Rainow       | T.C.     | Diphtheria | 12            | 1          | 10  | School Girl         | Oct. 24    | "         | Fair                  |
| 64          | ..                  | " 26      | Sutton       | H. Sutton    | H.R.E.   | Scarlet    | 12            | 1          | 8   | School Boy          | " 24       | "         | "                     |
| 65          | ..                  | " 26      | "            | "            | H.L.     | "          |               | 1          | 46  | "                   | "          | "         | "                     |
| 66          | ..                  | " 27      | Alderley     | Warford      | R.W.     | Erysipelas |               | 1          | 3   | "                   | Nov. 3     | "         | Good                  |
| 67          | ..                  | Nov. 3    | Prestbury    | Prestbury    | S.C.     | Diphtheria | 3             | 1          | 45  | "                   | "          | "         | San. Conditions       |
| 68          | ..                  | " 25      | Bollington   | H. Hurdfield | M.S.     | Erysipelas | 7             | 1          | 11  | To School           | " 24       | "         | Good                  |
| 69          | ..                  | Dec. 2    | Rainow       | Rainow       | O.J.     | Scarlet    | 7             | 1          | 39  | To First Case       | Dec. 1     | "         | "                     |
| 70          | ..                  | " 2       | "            | "            | O.N.     | "          | 7             | 1          | 4   | "                   | "          | Died      | "                     |
| 71          | ..                  | " 2       | "            | "            | O.E.     | "          | 7             | 1          | 2   | "                   | "          | Recovered | "                     |
| 72          | ..                  | " 2       | "            | "            | O.B.     | "          | 7             | 1          | 7   | "                   | "          | "         | "                     |
| 73          | ..                  | " 2       | "            | "            | O.E.     | "          | 7             | 1          | 8   | "                   | "          | "         | "                     |
| 74          | ..                  | " 2       | "            | "            | O.M.     | "          | 7             | 1          | 39  | "                   | "          | "         | "                     |
| 75          | ..                  | " 4       | "            | "            | O.J.     | "          | 7             | 1          | 10  | School              | Dec. 6     | "         | "                     |
| 76          | ..                  | " 7       | "            | Walker Barn  | R.J.     | Diphtheria | 8             | 1          | 7   | "                   | "          | "         | Insanitary Conditions |
| 77          | ..                  | " 7       | "            | "            | K.M.     | "          | 5             | 1          | 4   | To Sister           | " 6        | Died      | Conditions            |
| 78          | ..                  | " 7       | "            | "            | K.B.     | Scarlet    | 5             | 1          | 8   | To Brother          | " 13       | Recovered | Conditions Good       |
| 79          | ..                  | " 14      | "            | "            | R.H.     | "          | 8             | 1          | 5   | Traceable to No. 69 | " 26       | "         | Good                  |
| 80          | ..                  | " 28      | "            | "            | C.J.     | "          | 6             | 1          |     |                     |            |           |                       |



# **SURVEYOR AND INSPECTOR'S REPORT, 1905.**

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**To the Macclesfield Rural District Council.**

GENTLEMEN,

I have the honour to submit to you my Annual Report shewing what has been done in your district in my department during the year 1905.

|                               |        |
|-------------------------------|--------|
| Area of District (acres)..... | 79,618 |
| Population, 1901.....         | 15,775 |
| Number of Townships.....      | 37     |
| Number of Houses.....         | 3,704  |

8 Waste-pipes were disconnected from drains.

21 Houses were provided with efficient drains of glazed socketted pipes where none previously existed, or to replace inefficient ones.

56 Inlets to drains were trapped.

13 New privies were built. Many others were re-arranged to prevent exposure of their contents to any rainfall or drainage.

5 Houses, which were so damp as to be injurious to the health of the occupants, were improved by the provision of means for carrying off the roof water, by structural repairs, or by draining the sites.

Many other nuisances arising from blocked drains, inefficient drainage disposal, the keeping of swine or other animals, and accumulations of house refuse, etc., were abated.

22 Statutory Notices were served for the abatement of nuisances for the provision of water supply, or the provision of efficient drains.

No legal proceedings were taken.

Sulphur for fumigation and other disinfectants were supplied to houses in which cases of Infectious Diseases had occurred, to the instructions of the Medical Officer of Health.

The Slaughter-Houses were visited at intervals, and were found clean and in good order.

The Effluent Outfalls from Sewage Disposal Works, where they discharge into streams in your district, were visited at intervals. The Alderley Edge Urban District Council's Sewage Disposal Works, which are in the Township of Chorley, were extended and much improved with the view to reducing the pollution of Mobberley Brook, which in recent years had become serious,

19 Houses were provided with new or improved water supplies.

7 Samples of water were sent for analysis, one of which was reported unfit for domestic use. Steps were at once taken to prevent the use of this water for domestic purposes.

11 Certificates for 43 houses were granted under the provisions of Section 6 of the Public Health (Water) Act, 1878.

3 Houses unfit for human habitation were vacated without the service of Statutory Notice. Of these two were re-built.

10 Persons were registered under the Dairies, Cowsheds and Milkshops Order, 1885.

394 Persons are now registered. Most of the premises were visited and were usually found in satisfactory order with regard to cleanliness.

30 Sets of Plans were submitted and approved under the Byelaws with respect to New Buildings and to New Streets. The buildings comprise 58 houses and 3 factories or workshops. These buildings and other works were visited frequently during construction to see that the byelaws were being complied with.

29 Canal Boats were inspected under the Canal Boats Acts, 1877 and 1884. The boats were registered for 88 adults, and they carried 54 men, 7 women and 6 children, a percentage of 80.6, 10.4 and 9 respectively as compared with 79.4, 12.7 and 7.9 in the previous year.

No infringement of the Acts or Regulations was met with, nor was any case of infectious disease found on any of the boats.

Under the Factory and Workshop Act, 1901, visits of inspection were made to the known factories and workshops, and records made of those matters which are brought by this Act under the supervision of District Councils. The sanitary arrangements of one factory were overhauled and improved, 6 additional privies being built.

POYNTON SEWERS. 16 Houses were newly drained into the sewers at Poynton. 476 Houses are now so drained.

At the Sewage disposal Works a collecting tank was built to receive the effluents from the precipitation tanks, and the contents of this collecting tank are discharged by means of an automatic syphon on to the irrigation land intermittently. By this process the tank effluent is distributed over a wider area when the flow of sewage is small, and the soil is aerated between the doses.



**WATER WORKS.** 22 Additional Houses were supplied from the Council's water mains in Taxal. The numbers of houses now so supplied are as follows :—

|                    |    |
|--------------------|----|
| Upton .....        | 36 |
| Prestbury .....    | 34 |
| Butley .....       | 49 |
| Tytherington ..... | 23 |
| Taxal .....        | 73 |

In Poynton 20 additional houses were supplied from Lord Vernon's water mains, making a total of 506.

In Chorley 12 additional houses were supplied from the Stockport Corporation water mains making a total of 39. In Great Warford 28 houses are supplied from the same source.

In Sutton Mr. Whiston's water mains were extended to convey water to 2 new houses in Coalpit Lane. His water mains now convey water to 100 houses.

In May, several cases of Typhoid were notified from Sutton Lane Ends. The water supply of this locality is undoubtedly deficient. Upwards of 50 houses are more or less dependent upon a dip-well, the inflow to which in dry seasons diminishes to less than 100 gallons in 24 hours. It was proposed that water should be purchased under Section 61 of the Public Health Act 1875, from the Macclesfield Corporation. This water is not under sufficient pressure for distribution throughout the neighbourhood. It was further proposed to raise it by means of a Hydraulic Ram driven by impure water to a service reservoir high enough for such purpose. Provisional Agreements were made for the supply under Section 61, for water required for driving the Ram, and for sites for the Ram and Reservoir. These proposals were submitted by the Township representative to a Township meeting, at which they were rejected because the Undertaking would not at once be self-supporting, and aid from the local rates would be required, though it is estimated that this aid would amount to less than one penny in the £. To meet this objection as far as practicable appeals were made to the owners of the properties which would benefit by the Undertaking to contribute to the costs of it, but not a single offer to contribute is forthcoming. At your last meeting (January 9th) I was instructed to prepare detailed plans and estimates of these proposals preparatory to application being made to the Local Government Board for authority to contract a loan wherewith to execute the proposed works.

As there was not any case of Smallpox, your Hospital for the isolation of persons suffering from that disease was not in use.

The terms of an Agreement were settled with the Macclesfield Corporation whereby they will reserve two beds for Scarlet Fever patients and two beds for Typhoid patients in their Isolation Hospital buildings for the reception of cases of those diseases which may occur in your district.

1,300 letters were received, and a proportionate number written on the business of the office.

I am, Gentlemen,

Your obedient Servant,

JAMES THORPE.

19, King Edward Street,  
Macclesfield.

Surveyor and Inspector.

13th January, 1906.





